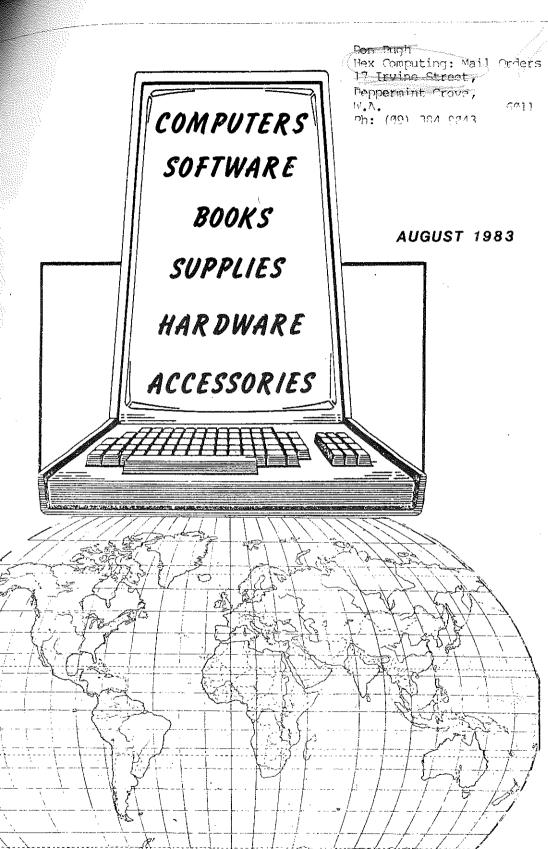
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This catalog is the 3A Computer Products catalog printed in the States with the US list and 3A (AAA\$) prices. We work from the 3A dollar (AAA\$) price which is about a quarter to a third cheaper than common US prices.

For each catalog page we have calculated

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Australian duty varies from 2% for some items to 36% for others. We calculate duty by multiplying the Australian price by the appropriate duty rate for your item.

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We pay 25% of the US list price for airmail postage and to post your product to you.

Missing Prices

The missing prices for some items means we have had no response from the manufacturer. The prices with * signs are unavailable but may be ordered at the US retail price directly from the manufacturer. We can provide their address to assist you.

Hours.

Our vocaphone operates 24 hours a day.

Modems

Most modems sold operate on the Bell American system rather than the Australian CCITT SYSTEM. Consequently they are not Telcom approved. They provide a means to communicate with Americans or with Australians also using modems on the Bell standard. They cannot communicate with Australian data banks using the CCITT standard.

Electrical Goods

Computers, printers, monitors and other electrical goods advertised may not be available for 240 volts. We will enquire for you. A 240 to 110 volt transformer costs around \$50. Australian.

Australian Manufactured Products

We will inform you when it is possible to purchase Australian manufactured products at equivalent or cheaper prices. Products with high freight charges such as paper and furniture may usually be purchased locally. We recommend overseas orders for high technology items such as computer cards and software.

New Catalog

3A will be issuing a new catalog annually. If you have moved please send us your new address on a card. Our catalog will follow you.

Refund on Catalog Price.

We will be happy to refund to you the price of your catalog on any order exceeding \$50.00

Sales Tax Exemption

We normally add sales tax to all our products. Products for educational institutions will have sales tax refunded upon provision of the necessary documentation so that we can make application to the taxation office.

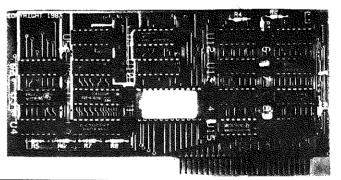
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REPLAY II

Apple Program Copy And Development System

- Disk Formatting Irrelevant
- · Does not interfere with other cards
- · Card is transparent until copy is desired
- Copies all 64K with *no* compression
- Menu driven
- Copy and restart in under 15 seconds
- Copies memory resident programs
- Analyze programs
- Development tool
- Transparent step & trace
- Backwards & forward disassembly scroll

Reviewed in Hardcore Magazine The Replay card is very easy to use and understand... of all the cards I have used, I have found the Replay II to be the most powerful card available."



Why ours is better!

- 1. Accurate copy of memory
- 2. Language card not needed to copy or run · when using Replay Card
- 3. Fast copy & restart
 - · 15 seconds ·
- 4. Analysis programs and 60 pages of documentation
- 5. Copy system in eprom
 - No need to boot other disks at copy time -

To order or request info: Write or call

HEX COMPUTING are Australian dealers Replay II cards. cards are now in stock in Perth and can be mailed to you immediately.

PRICE: AUST. \$175.00

For Apple II+ or IIe

REPLAY It is intended to be used as an analysis tool, for one

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REPLAY II is an interface card that is slot independent. Users can stop a program, examine and change memory, or copy the program; and restart. Control of the APPLE is obtained by pressing the remote switch which comes on an 18 inch cord outside the APPLE. REPLAY II does not copy the original disk, rather it copies the program executing in memory. If a copy is desired a blank disk is inserted in drive 1 and the options on the menu are contained in the eprom on the REPLAY II card, no other disk needs to be booted for copying, unlike other copy cards. The very act of booting another disk alters memory which is detectable by some protected software.

REPLAY II does not change ANY memory. Extra memory is buffered to allow copying and analysis without altering the original memory contents. Other copy cards always change specific points in the original memory. REPLAY II faithfully reproduces the lower 48K of memory in a fast load format. The upper 16K can also be copied for a 64K copy. Standard DOS 3.3 files are created automatically for storage on floppy or hard disks. A RAM card is needed for this.

REPLAY II is fully documented in a 60 page manual. Utility programs supplied with the REPLAY II card include Program Analysis, Comparisons, Packing and Compression. A language card is not needed to run packed

Because most programs are written in Assembly language, the user should be familiar with Assembly in order to fully utilize the advanced Analysis and Packing programs. Users can now freeze a binary program and perform a transparent step or trace while continuous disassembly is shown. View text or hires during trace.

REPLAY II can automatically move protected APPLESOFT programs to a standard DOS 3.3 disk for listing or modification.

Now game players can save a game at any level and QUICKLY restart with the REPLAY II card. Users can freeze games, change variables to obtain unlimited ships or power, etc., then restart the program. Saving high scores is easy

Minimum requirements are an APPLE II and a single disk drive.

REPLAY II is a card designed for many different uses. It can be used to copy programs executing in memory for backup purposes. The backup can then be used and the original kept in a safe place.

The Replay Card can also be used for program development or analysis. Since all memory is preserved the Replay card can be used to develop or analyze programs with the knowledge that using the card does not effect the original program.

A program can be stopped at any point desired. The following menu will appear when the user stops a program by pushing the button on the Replay cord.

[*] REPLAY II [*]
C) COPY
M) MONITOR
B) BOOT 16 SECTOR DISK
E) BOOT REPLAY DISK
R) RESTART
V) SCREEN [1] S) RAM/ROM/SLOT []
L) VIEW SCREEN

All of the options are contained in the eprom on the Replay card. While Replay is in control the original memory is not altered unless requested by the user. A monitor is one of the options of the menu. If that option is selected the following screen will appear.

[*] REPLAY MONITOR [*] PC = xxxx

ON STACK = xxxx xxxx HOOK IN = xxxx OUT = xxxx

A = xx X = xx Y = xx SP = xx

SV*BDIZC

\$3F2 RESET VECTOR = xxxx STATUS = xxxxxxxx

M,P,L,S,W,Q,#/#,#.#W,#:#,#:'A]

M = display this screen W = clear memory

P = APPLESOFT ptrs displayed

L = display memory as hex and ASCII

: = set memory to entered value

/ = search memory for entered value

Stack and input/output hooks displayed Reset vector shown. Status flags visible and labelled

There are monitor commands for displaying, searching or changing memory. APPLESOFT BASIC pointers can also be displayed in the format shown below.

(*) APPLESOFT POINTERS (*)
PROGRAM START (\$67) = xxxx END (\$AF) = xxxx
VARIABLE END = xxxx STRING END = xxxx
FREE MEM = xxK CURRENT LINE = xxxx

ENHANCED versions of the Replay eprom will be released in the future with more options for development and analysis. Remember that memory is preserved so that these options are transparent to the program being worked with

Why the REPLAY II card is better:

 Accurate copy of memory. Extra memory is buffered in to obtain an accurate copy of memory for your backup. Other cards alter memory. Even a slight change in memory can change the operation of your program when it restarts. HAR N ITEM

- Language card not needed to copy or run. When using the REPLAY II card the language card is not needed. Copies can be made and executed by the Replay card. A language card allows some enhancements but is not required in the minimum configuration.
- 3. FAST copy and restart. The user can = =

A. Stop a program

B. Copy lower 48K

C. Restart program

In under ** 15 ** seconds!!! 64K copies take only slightly longer. Game players have instant freeze, copy, restart for fast play. Restart of a previous copy is fast, also.

- Analysis programs and 60 pages of documentation. The user is supplied with extensive documentation covering many different uses of the card.
- 5. Copy system in eprom, no need to boot other disks at copy time. This eliminates the need to keep a seperate disk immediately on hand just to load in the copy software. Loading in the copy software also alters memory irrevocably!

Standard DOS 3.3 files of the copied program are created automatically. Two standard binary files are created of the lower 48K program memory.

Some uses of the Analysis programs are:

- A) searching copied programs for code/ASCII areas
- B) condensing copied programs to minimum size.
- C) comparing copies of programs for differences
- D) comparing standard DOS to nonstandard DOS, find differences
- E) dissasemble copied programs for analysis and modification

Memory resident programs are those programs that totally load into memory to execute. Many programs such as spreadsheet programs and games usually fall into this category.

Multiple access programs such as large adventure games or multiple module programs are copyable by users with experience. The Replay card can be used as a tool to analyze the software. Suggestions are given in the documentation.

BOOKS

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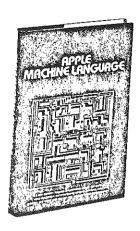
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** TAB BOOKS A-Z BOOK OF COMPUTER GAMES, HORN 311B ADVANCED PROGRAMS IN BASIC, 55 10 APPLE II BASIC 3125 ART OF COMPTR PROGRAMMING, DRURY 11 3121 CHALLENGING COMPUTER GAMES, 33 9 COMPUTER GRAPHICS, 29 READYTORUN 10 COMPUTER PGMS FOR HOME, CHANCE 11 FROM BASIC TO PASCAL 3120 GAMES OF SKILL/CHALLENGE IBM PC 13 11 3124 GRAPHICS PGMS IN MICROSOFT 3123 11 13 INVEST ANALYSIS, SPARKS 3122 12 10 MICROCOMPUTERS, DIRKSEN 8 MORE TESTED READYTORUN, HORN MOST POP SUBROUTINES IN BASIC 10 10 3115 10 PLAYING STOCK & BOND MARKET 3112 PRACTICAL PGMS IN BASIC, 57 10 10 3119 10 PROGRAMMING YOUR APPLE, BRYAN READY TO RUN PGMS IN BASIC, 67 TESTED READYTORUN, 24, TRACTON 3114 7 THE BASIC COOKBOOK, TRACTON 3113 10 THINGS TO DO WITH YOUR PC, 1001 3104 WHAT TO DO. HANDS ON A MICRO 9 11 3106 ** THE BOOK COMPANY 3169 APPLE GRAPHICS & ARCADE DESIGN 20 THE BOOK OF APPLE SOFTWARE 1983 20 1.4 6 6 THE BOOK SPRING 82 UPDATE 6 THE BOOK SUMMER B2 UPDATE 20 16 WHAT IF? 3173 ** VISICORP 3291 VISICALC ADVANCED VERS WORKSHEET 19 17 ** WADSWORTH ELECTRONIC PUBLISHS 3316 SURVIVAL KIT FOR APPLE.GAMES

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LIST AAA\$

Personal
Computers are
Becoming more
Visibull.







Apple Machine Language Don Inman/Kurt Inman

Here at last — a machine language programming book that's fun and entertaining. An all new approach - starring the Apple System Monitor. In just a few, quick stages the user makes the transition from BASIC to direct machine language programming. HIGHLIGHTS

- © Color, graphics, and sound.
- o Step-by-step program demonstrations.
- Self-check exercises. illustrations galore.
- @ A complete and easy guide to make the user an expert!

R0230-4 paper

Pascal Programming for the Apple

..... Lewis

An easy-to-understand introduction to UCSO Pascal. It discusses features unique to UCSD Pascal on the Apple II. For both the hobbyist and the professional. HIGHLIGHTS:

- Includes the fundamentals of the Pascal system and review of the language.
- Scores of ready to run.
- Special applications for home mortgage payments, stock market charting, and cash flow analysis.
- Fun with music, sound, and graphics. Implementing large programs on small
- Computers R5454-5 paper

The Academic Apple Richard Mowe

Written for those parents and teachers who are interested in helping youngsters learn with the aid of an Apple computer. The writing style is kept simple without a lot of technical jargon. An excellent guide HIGHLIGHTS:

- Discusses a child's growth and development (starting at age 5) and how it relates to the child's ability to use the computer.
- Comparisons and recommendations of educational and commercial software.
- Explains how to write simple programs and uses many sample programs as a guide for users
- Discusses typing and writing skills and shows how word processing can greatly improve writing ability. ROU34 O cloth

The Elementary Apple William B. Sanders

An ideal introduction to the workings of the Apple II Plus computer. It is kept at an introductory level, but when the user is finished, he or she will be able to write and use their own programs. This is an excellent aid in getting over any initial fear of the computer. HIGHLIGHTS

- O There are plenty of explanations of programs for business and word processing programs.
- Includes plenty of tips and hints about how to do things the right and wrong

R1659-3 paper

Kids & the Apple

Edistard Curison

An excellent, step-by-step approach to BASIC programming on the Apple computer. Arranged in lessons, the book starts with an introduction to programming and progresses to topics such as editing and debugging, HIGHLIGHTS

- O Suitable for ages 12 and up.
- Filled with entertaining cartoons that help explain complex points...
- Written in easy-to-understand
- language. Many fun questions and problems with answers
- Each concept and example is tied to everyday experiences. R3669-0 paper

The Apple Logo Primer Gary G. Bitter/Nancy Watson

Find out what an exciting, useful, and creative language Logo really is! This handbook makes learning Logo with an Apple II easy for anyone - no previous experience needed! With simple to follow instructions, many examples, and a thorough discussion of all concepts, this book is truly "user-friendly." Suggested activities encourage learnig Logo through discovery and exploration. HIGHLIGHTS

- Covers all the major Logo topics; procedures, recursion and coordinates. the REPEAT capabilities, screen commands, and the Logo library.
- Step-by-step Logo section for beginners.
- Quick-start section for experienced
- Commands, commonly-used procedures, and error messages are listed on inside covers for easy reference. R0314-6 paper

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COMPUTER CARRYING CASES

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** CASES INC

250 214

234 200

291 249

70 49

80

53 47

Manuanna

Continued from Page 6.

read/write head inside the disk

drive with the spinning cleaning

If any disk drive read/write heads

are going to be in need of

cleaning, it's ours. You can

inagine how intensively we use our

disk drives copying thousands of

disks. Well after "cleaning" the

six of them, we saw absolutely no

evidence of any cleaning! The

white cleaning disk was still

cleaning kits are a "SIMMICK" that

should be priced very inexpensively

along with cleaning solvent and

cotton swabs! When they are they

may be worth whatever "cleaning"

they perform on Apple Disk drives.

Incidentally, don't use a cotton

swab nor just any solvent to clean

the read/write head in your disk

drives without first giving the

stoff this simple test. Take a

clean mirror and place a couple

drops of the "solvent" on the

mirror. Wait for it to evaporate.

If there is any visible residue,

don't use the stuff. Now try a

couple drops of gin or grain

alcohol (the drinking kind from

your liquor store). Well, how

about that. Much less residue, if

Since we use both sides of many

disks, the part we would like to be

able to cleam, is the felt pressure

pad immediately above the tiny

Class-eve read/write head. The

felt pad presses the disk surface against the read/write head,

sandwiching the disk between them.

The felt pad actively collects

dust, metal oxides, etc., from the

surface of the disks. However the

instructions forbid turning over

the "cleaning" disk to "clean" the

pressure pad, which makes good

sense because the stuff it will rub

off the pressure pad will then be

rubbed onto the read/write head the

We found our brand of gin

We believe head

15

dea

Siisk.

lily-white.

if anv.

afiy,

left NO residue.

The other kit didn't. The

to clean the tiny

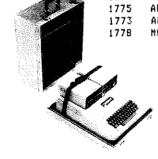
APPLE II & 1 OR 2 DRIVES-2" FOAM 343 286 APPLE II & 2 DRIVES 1336 APPLE II & 2 DRIVES/APPLE 3 MON 1341 APPLE II ONLY 1338 APPLE 11/2 DRIVES/MX80/9" SANYO 347 290 APPLE III & 2 DRIVES 1343 CASTERS ADD... LOCK ADD... 1342 ** COVER CRAFT FIELD-PRO APPLE/FRANKLIN CASE

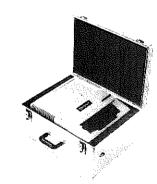
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FIELD-PRO CASE 20Wx15Dx8H

FIELD-PRO CASE 25Wx20Dx8H





next time you "clean" it. course. if you use only one side of your disks then the pressure pad never touches the recording side of your disks; thus, apparently there is no need to clean it. In any the pressure pad can be replaced rather quickly with a clean new one.

the above applies only to drives with ONE 5-1/4" disk read/write head such as used with Drives of different Apple. configuration, such as double headed mechanisms and 8" drives, may need cleaning.

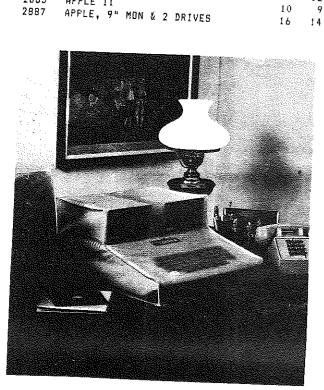
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COMPUTER DUST COVERS

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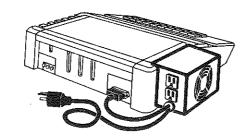
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> BLUE PLASTIC 1244 APPLE II 1243 APPLE II & DISK DRIVE	- 10 14	8
** COVER CRAFT		-
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** SOUTH COAST ENTERPRISES 2879 CLEAR PLEXIGLAS LID FOR APPLE II ** SOUTH COAST ENTERPRISES	25	19
2891 APPLE & AMDEK COLOR 2898 APPLE & NEC COLOR 2889 APPLE & NEC GREEN 2883 APPLE II	14 14 14 14 14 10	12 12 12 12



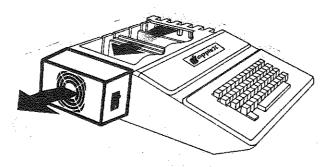
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1141	ABOUT TIE AAK-COMPUTER ONLY		1450	1647	EAGLE IV SYSIEM 2 DRIVES I HAND	2447 2700
	** AXLON			1651	EAGLE PC-1 128K 1 DRIVE EAGLE PC-2 128K 2 DRIVES	3495 2876
1276 1278 1273	DATALINK ACQUSTIC COUPLER RF VIDEO INTERFACE * DATALINK 1000 PC		* 5	1648	EAGLE PC-E 64K 1 DRIVE EAGLE PC-XL 2 DRIVES 1 HARD ^FILE 10-10MB ADD ON HARD DISK ^FILE 40-32MB ADD ON HARD DISK ^SPECIFY SERIES FOR FILE 10/40!	2495 2077
	** BASIS					
3412 1279 1956	> PRONOUNCED BAH-SES BASIS 108 128K 2 DRIVES BASIS 108 128K 2 DRIVES & CP/M 3 ^ APPLESOFT EPROMS BY JIM FITCH ^ NO MONITOR	2995 Bû	2361	1796 1797	** FRANKLIN COMPUTER ACE 1000 ACE 1200 ACE PRO	909 1895 1625 1595 1286
3413 3414	^ RAM CARD 256K ^ RAM EXPANSION KIT 64K & DISK	695 195	168	-	** LEXICON	
	** COLECO INDUSTRIES			2019 2018 2021	LEX-21 INFORMATION TERMINAL LEX-31 COMPUTER	995 848 995 848 53 49
1360	> COMING SOON ADAM FAMILY COMPUTER SYSTEM	600		2022 2020	LEX-31 COMPUTER ^ACOUSTIC CUPS LEX21/31 ^PRINTER PAPER LEX31 ^VINYL CASE LEX21	3 3 30 28
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1363	DATASETTE TAPE RECORDER DISK DRIVE SS SD 5"	75 399	69 263		** NEC HOME ELECTRONICS	
1368 1365 1371	DOT MATRIX PRINTER BOCOL 30CPS P DOT MATRIX PRINTER BOCOL BCPS S GAME PADDLES	395 495 15	238 331 13	2221	** NEC HOME ELECTRONICS PC 8000 64K COMPUTER SYSTEM PC 8000 SYSTEM INCLUDES PC 8001A 32K COMPUTER	
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1463 1465 1464 1466 1467	PC 128K/CRT/CPM86/10MB DRIVE PC 128K/CRT/CPM86/10MB DRIVE PC 128K/CRT/CPM86/2 DRIVES PORTABLE PC/1 DRIVE	2595 4495 2995 2545 2945		2230 2231 2237 2238 2240 2241 2233 2234 2232 2235 2236 2239 2243	APC HO1 SYSTEM 128K 1 8" DRIVES APC HO2 SYSTEM 128K 2 8" DRIVES APC HO3 SYSTEM COLOR 2 8" DR COMMUNICATION CONTROLLER COMMUNICATION RS232 CABLE HARD DISK 10MB SYSTEM HARD DISK 10MB W/O CONTROLLER MONO/GRAPH BOARD FOR HO1 MONO/GRAPH BOARD FOR HO3 RAM 128K ADDITIONAL RAM BOARD 128K FOR HO1/HO2 RAM BOARD 128K FOR HO3 SPINWRITER xx30 CABLE TEMPLATE BLANK-10 TEMPLATE PLASTIC-10	355 285 85 76 2698 2377 2398 2113 448 381 648 544 700 588 598 502 798 670 85 76 5 5
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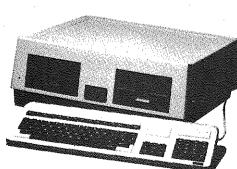
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2244 2245 2246	** NEC INFORMATION SYSTEMS WPS1-H02 & 3530 PRINTER & DISK 6148 4860 WPS2-H03 & 3530 PRINTER & DISK 6798 5370 WPS4-H03 & 7730 PRINTER & DISK 7398 5849 OSEE PRINTER ACCESSORIES OUNDER PRINTERS
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** SYSCOM

SYSCOM 2 48K



Computers... They's all the same, only different.

The tradition of high quality, high performance German craftsmanship and engineering is legend. And while we most often see that tradition in action on America's streets and highways, it is in America's business offices that its future holds the most promise.

The BASIS 108 is the proof.

This powerful small business computer passes higher-

priced competitors with ease. Its dual processors — for CP/M® and Apple II® compatibility — open up the largest library of microcomputer software and plug-in peripherals available today. This unique combination also provides

Compatibility with other popular languages, including Pascal™ and LOGO™

The detached keyboard is a work of art and practicality. Lightweight and low profile, it features a full one-meter cord for comfortable operation on your desk—or your lap. There's a full 128-key ASCII character set. Fifteen user-definable function keys that can provide access to 60 distinct functions. A nine-key cursor control block. And a convenient eighteen-key numeric pad. For special applications, you can also custom map the keyboard with a simple exchange of ROMs.

And there's more. RGB and composite NTSC or PAL video. Keyboard-selectable 80-or 40-column display.

High resolution color graphics. Parallel and serial printer interfaces. Easily accessible outboard I/O connectors. Six Apple II-compatible card slots for peripherals expansion. Even a two-inch alarm or music speaker.

The BASIS chassis is cast aluminum, eliminating heat and RFI interference problems. And there's plenty of room for internal expansion to include hard disk drives and other peripherals.

The BASIS 108. Microcomputing's "Best Of Both Worlds." German craftsmanship and American business savvy. CP/M-based business computing and Apple II-based personal computing. High performance and surprisingly low cost. The BASIS 108. A computing machine finely tuned to handle the fast tracks of business today. Call your BASIS dealer for a test drive. Or call toll free in the U.S. (800) 222-0626.



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THE EAGLE PC SIMPLY, A BETTER PC

ERELE

- IBM"Personal Computer Compatible
- Elegantly User Friendly
- m High Density Floppy Disk Storage
- Word Processing, Financial Planning, and Two Operating Systems Included
- Compact Enough to be Transportable
- Retractable Keyboard

Simplicity with elegance. The Eagle PC is a compact, modular business computer system for the serious user with an eye to his budget. Designed for personal and business applications, the Eagle PC is hardware and software compatible with the IBM*Personal Computer, thus offering access to a variety of applications software. As with all Eagle Computers, the Eagle PC's are available in some versions as a fully configured system with an elegantly user friendly interface. The Eagle PC may also be built up from a base system configuration, allowing the user to add options as desired.

Each double densily, double sided floppy disk drive provides an equivalent of approximately 250 pages of text. Unformatted capacity is 500 kilobytes, 360 formatted. Additional storage is available with the Eagle File 10 or File 40, storing 10 or 32 megabytes (formatted) respectively on a Winchester hard disk. A video cassette backup option allows hard disk files to be saved to a standard video cassette recorder.

The handsomely sculpted keyboard conveniently stores beneath the compact main system enclosure to save space. The Eagle PC keyboard is a detached unit connected by a lengthy recoiling cord to allow operator positioning. It provides 105 key stations with 24 dedicated function keys to simplify word processing and financial planning. The 83 keys of the IBM PC are a subset of the 105 keys of the Eagle PC keyboard.

The Eagle PC was designed for the first-time computer user. The Eaglewriter word processing software included with a complete system uses English commands to simplify operation. In addition the word processor is uniquely tallored to the computer with preprogrammed function keys that perform with a single keystroke word processing tasks that would normally require several keystrokes on other computers. Built-in "help" instructions are also called up by pressing a single key. Also

included are word processing features such as mail merge, forms creation, alphabetization, boilerplating.

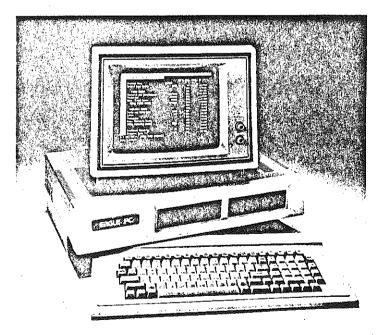
Financial Planning software is made easy with the comprehensive Eaglecalc electronic financial planning worksheet designed to replace manual methods of calculation. Answers to problems previously requiring hours to solve are swiftly calculated and clearly displayed within seconds. 255 rows and 64 columns of data can be displayed. Most all the standard financial planning operations are supported.

Monochrome, medium resolution, and high resolution color graphics options are offered on the Eagle PC. Monochrome graphics of extremely high quality consist of the 80x25 display,11x14 dot cell, 7x9 characters, with 720x352 pixels. Medium resolution color graphics consist of 8x8 dot cell, 5x7 characters, with 320x200 pixels at 4 colors and 640x200 pixels at one color. High resolution graphics consist of 9x14 dot cell, 7x9 characters, with 640x400 pixels at 16 colors. The compact monitor is conveniently positioned atop the main system unit for best visibility. An amber monochrome display monitor is also offered as an option

In office situations requiring multiple work stations, the Eagle PC may be linked with others in a local area network of up to 64 stations. The Eagle PC is offered as an intelligent terminal to be used in a multiuser, multi-tasking environment with the Eagle 1600 series to allow up to 8 Eagle PC's to share the common central processor and data base of the Eagle 1600 (8086, 8MHz).

The Eagle PC offers the processing power of the Intel 8088 "microprocessor. This 16-bit computer-on-a-chip processes more data at once than most personal computers. The standard 64 or 128 kilobytes of random access memory can be conveniently expanded up to 512 kilobytes on the main CPU board. Additional printed circuit boards are not required for memory expansion. Three IBM PC compatible expansion slots allow the addition of peripherals. Included with each system are two serial and one parallel port.

The MS-DOS™ and CP/M-86™ operating systems included with some and available for all models of the Eagle PC ensure compatibility with the IBM Personal Computer, Further ensuring IBM PC compatibility, Microsoft's GW BASIC™ is available as an option for the Eagle PC.



TeleVideo's TS 802 and **TS 802H Computers**

TS 802/TS 802H: Low-Cost, Upgradeable, Power-Packed Computers

Upgradeability is built into TeleVideo stand-alone computers. For example, TeleVideo's TS 802 and TS 802H are single-user computer systems that can be used as satellite stations in a multi-user configuration of up to 16 work stations.

The TS 802/TS 802H are low-cost, powerful, single-user integrated systems that combine TeleVideo's top-of-the-line CRT display with an advanced design Z80A, 64 Kbytes RAM, single board computer. Both models feature a detachable Selectricstyle keyboard.

The TS 802 operates with two 51/4 inch floppy disks for 1 Mbyte of unformatted on-line storage. The TS 802H features one 51/4 inch floppy disk and a 51/4 inch Winchester hard disk for an additional 9.6 Mbytes of unformatted data storage.

Serial printers and modems are accommodated through two RS232C serial ports in both the TS 802 and TS 802H systems.

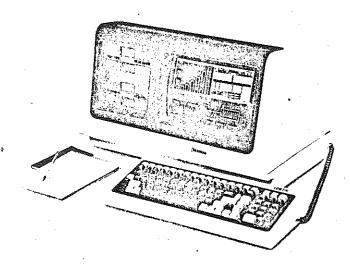
The TS 802/TS 802H, as well as all other TeleVideo computers, use the industry standard CP/M® operating system, the most popular operating system in use today. With access to the largest library of microcomputer software programs available, the TS 802 and TS 802H allow you to meet a wide variety of information and word processing needs.

When it comes time to expand to a TeleVideo multi-user system, you can use either your TS 802 or TS 802H as a satellite user station in TeleVideo's multi-user systems without modifications. Merely attach the system to a TeleVideo TS 806 or TS 816 multi-user computer system.

TeleVideo's multi-user systems support any combination of TeleVideo single-user computers.

Service for TeleVideo computer products is available from TRW Customer Service Division in the U.S., and support elsewhere in the world is provided through local distributors.

TeleVideo is ready to grow when you are. Write or phone us to learn more about the low-cost TS 802/ TS 802H computer systems.



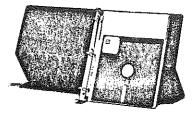
Televideo Systems, Inc.

BINDERS/PLASTIC PAGES

NHBR N	ITEM	LIST	AAA\$
	** ADVANCE BINDERY		
1046	D-RING BINDER 11x8.5x1"	5	
1044	p-RING BINDER 11x8.5x1.5"	7	
1045	D-RING BINDER 11x8.5x2"	8	6
10.1-		-	
* * *			
- 1	** COVER CRAFT		
3.3	CLASTIC PAGES 5"-1A PAG	9	9
	PLASTIC PAGES 5"-10 PAC PLASTIC PAGES 8"-10 PAC	Ý	
1493	PENSITE PROES D TO THE	,	-
	** PACIFIC EXCHANGES		
2392	PLASTIC PAGE CLEAR 1-8" 10 PAC	9	
2391	PLASTIC PAGE CLEAR 2-5" 10 PAC	9	7
	** RING KING VISIBLES		
	THE CALL OF ER DELDO	13	9
2732	BINDER FILE 20-5" PCLB20 EASEL BINDER 1" 85111	12	
2718	EASEL BINDER 1.5" 85111.5	10	
2719	EASEL BINDER 2" 85122	11	
2720 2721	EASEL BINDER 2.5" 85112.5	12	
2733	MINI BINDER FILE 20-5" PCMLB20	10	8
2722	MINI EASEL BINDER 1" 06951	6	5
2729	MINI PLASTIC PAGE 2-5" MMD02 10	В	6
2730	MINI PLASTIC PAGE 4-5" MMD04 10	9	
2728	PLASTIC PAGE 1-5" MD01 10 PAC	10	
	PLASTIC PAGE 1-8" FD01 10 PAC	12	
2727	PLASTIC PAGE 2-5" MD02 10 PAC	9	
2724	PLASTIC PAGE 2-8" FD02 10 PAC	11	
2726	PLASTIC PAGE 4-5" MD04 10 PAC	10 13	
	PLASTIC PAGE 4-8" FD04 10 PAC		
2731	WALLET FOR 10-5" DISKS PCMDW10	6	٥
	** SYNCOM		
	5:110411		
7007	PLASTIC PAGE 2-5" DISKS 10 PAC	11	6
JU73	I FUGITA I MAP & A BYRA TA LED	• •	٠

DISK CASES/MAILERS

	** COVER CRAFT		
1490	DISK CASE 5"-3 PAC	12	1
1491	DISK CASE 8"-3 PAC	25	2
	** RING KING VISIBLES		
2696	DISK CARRIER 10PAC 6-5" MDC6	50	3
269B			3
2694		63	
2695	DISK CARRIER 16PAC 3-5° MDC3	52	
2697	DISK CARRIER 16PAC 3-5" PCMDC3		
2693	DISK CARRIER 14PAC 3-8" DC3	72	4
	** ROCKROY		
2765	DISCMAILER FOR 1-3 5" DSK 10 PAC	9	



EASEL BINDERS

NMBR N ITEM

Closed, they're trim Books for upright filling. Open, they become free standing easels for hands-free reference. All binders constructed of superior

ack suede	e-finish vinyi.	
81/2 x 11	1" capacity ring	
81/2 x 11	2" capacity ring	
6 x 9	1" capacity ring	



DISCSAVERS** Color Protective Disk Sleeves

Multi-color DiscSavers are designed for easy recognition of individual disks with your own color-keyed filing system. Ideal for office or home use.

Protective

protection for magnetic disks by guarding against stains, abrasions, spills and other handling hazards

Attractive

method of single disk storage. Four attractive colors (red, yellow, green and blue) enhance the look of your hardware while protecting your valuable software.

Rigid vinyl construction protects against o handling and provides tong wear and tear.

ROCKROY

DISK ENVELOPES

		
2003	DISK ENVELOPE 10 TO 90 EACH	
2004	DISK ENVELOPE 100+ EACH	
	SPECIFY BLACK PAPER OR	
	WHITE TYVEK!	
	** ROCKROY	

Backbone

Opens flat and folds back completely for ease of use in restricted

Edge Construction Beaded all around, adds to a finished vinyl appearance.

Colors

Available in a choice of six popular vinyl colors-black, blue, brown, red, green and white.

Reduces Sheet Wear Back cover mounting of metals eliminates pulling and tension when opening or closing binder cover.

Quality Metals Convenient D-Ring design with nickel-plated, full-spring construction and opening and closing trigger mechanisms.

Choice of Capacities Your choice of four D-Plus sizes—1", 1½", 2" and 3".

Oversized Sheet Lifter Large lifter eases page turning and keeps sheets flat when binder is closed.

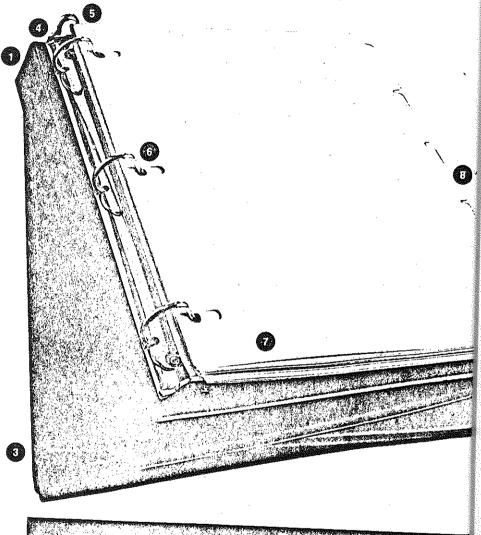
Index Tabs Line-up Angled D-Plus ring assures perfect alignment of indexes and sheets for quick and easy reference.

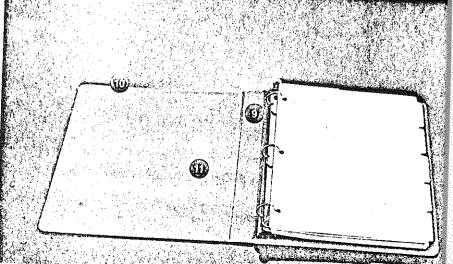
Hinge Construction Special ribbed construction for added strength and longer life without cracking or splitting.

100% Virgin Vinyl Suede finish, heavy-gauge material over sturdy board.

Convenient Pocket Full width pocket in front cover is standard in all D-Plus binders.

Plus—capacity D-Ring design accommodates more sheets in every capacity than conventional round rings of same size.

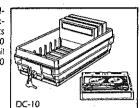




DISK FILES

** ABA SYSTEMS FILE BOX DC10 TAPE CARTRIDGES

Data Cartridge File Box available in one model with key locking removable lid that nests under base. File capacity-10 data cartridges. Suggested retail \$44.00



** ABA SYSTEMS

FILE TRAY T115 5" DISKS FILE TRAY T120 8" DISKS FILE TRAY TI45 5" DISKS FILE TRAY TISO 8" DISKS FILE TRAY T85 5" DISKS FILE TRAY T90 B" DISKS FILEBOX F40 8" DISKS W/LOCK FILEBOX F90 8" DISKS W/LOCK FILEBOX M35 5" DISKS W/LOCK FILERGX MRS 5" DISKS W/LOCK TROLLEY FOR 1 F90 TROLLEY FOR 2 F90 TROLLEY FOR 2 M85 TROLLEY FOR 3 F90

Professional Protection For Flexible Discs

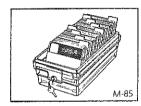
Data recorded on flexible discs is usually important - and often confidential. When working with these discs, proper care and controlled access should not be overlooked. ABA Systems of Sweden offers a line of rationally designed disc file products which can be used alone on a desk or in combination with rolling trolleys that can be quickly positioned near work stations for convenient disc access

\$49.00

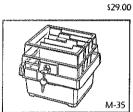
Disc File Boxes available in four models with key locking removable lids that nest under base

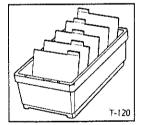
Two models each for 8" and 51/4" discs. File capacities - 90 or 40 discs.

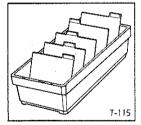


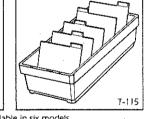


TROLLEY FOR 3 MBS







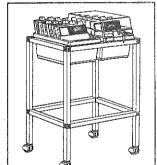


Disc File Trays without lids available in six models

Three models each for 8" and 51/4" discs. File capacities-90, 120, or

T- 90 90 capacity for 8" \$22.00 T-120 120 capacity for 8" \$32.00 T-150 150 capacity for 8" \$36.00

T-85 90 capacity for 51/4" \$20.00 T-115 120 capacity for 51/4" \$24.00 T-145 150 capacity for 51/4" \$30.00



Three models for either 90 capacity boxes or trays for

Two models for either 90 canacity boxes or travs for 4501 Trolley for either one

F-90 or T-90 \$74.00 4502 Trolley for either two F-90 or T-90

4503 Trolley for either three F-90 or T-90 84.00 4602 Trolley for either two

M-85 or T-85

4603 Trolley for either three

** RING KING VISIBLES

2699 TAPE 12 MINICASSETTE FILE DCT12R 2701 TAPE & MINICASSETTE BINDER DCBO& 2700 TAPE 9 CASSETTE FILE DCTO9R 2702 TAPE CASSETTE LOOSELEAF CLIP

** TEXWIPE

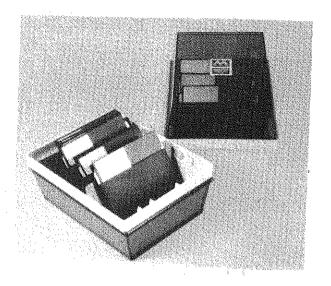
TAPE HEAD CLEANING KIT DTC275

Small details of design are important too. Unlocked, lids can be fully removed and nested under base to consume a minimum of space whether on desk or in trolleys. Dividers may be removed or snap-locked into positions in base of boxes or trays. With dividers positioned, discs can be easily removed and replaced without concern for discs sliding down and becoming damaged from creasing. Pressure sensitive labels are supplied for divider identification, which can be seen through high transparency acrylic lids. Bases are fitted with rubber feet to minimize surface contact; and two keys are furnished with all locks. Quality of material and manufacture are as important as design for long term user satisfaction. All file boxes and trays are precision injection molded of anti-static ABS plastic, lids of high transparency acrylic plastic.

DISK FILES

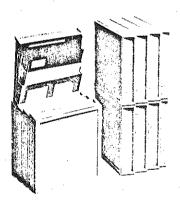
NMBR N. ITEM

NMBR	N. ITEM	LIST	AAA\$	
	** ADVANCE ACCESS GROUP			
1043 1042 1041	FLEX-80 50+ 8" DISKS W/HANDLE MAXI-FLEX 50-100 8" DISKS MINI-FLEX 50-100 5" DISKS	59 49 39	35 21 .14	



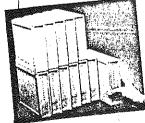
NMBR N ITEM	LIST	AAA\$
** AMARAY		
1069 DISKBANK 5"		6
1071 DISKBANK 5" BOX OF 20 1070 DISKBANK 8"		91
** INNOVATIVE CONCEPTS		
1867 CASSETTE'N GAME FILE 18	30	22
1868 FLIP N FILE 10 5"-10 PAR	60	
1007 FLIP N FILE 15 5"	10	7
1870 FLIP N FILE 25 5" W/LOCK 1864 FLIP N FILE 5"	30	
1871 FLID N ETLE FO EN UL BELL	30	
1845 FLIP N FILE 8"	40	
1866 FLIP PAC 5"-10 PAC	35 50	
** MEDIA PRODUCTS		
2074 DISK MINDER 75 5" W/HANDLE	30	21
** NORWESCO		
2269 VUCASE II 50 5" LATCH & HANDLE 2270 VUCASE II 50 5" LOCK & HANDLE	30	23
	30	44





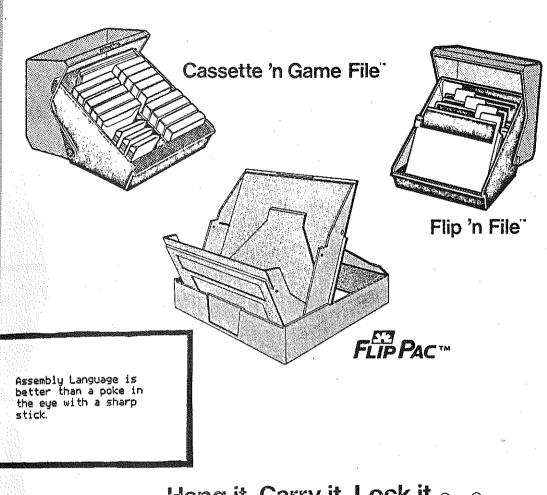
the DiskBank . . . the best system ever designed for storing and filing

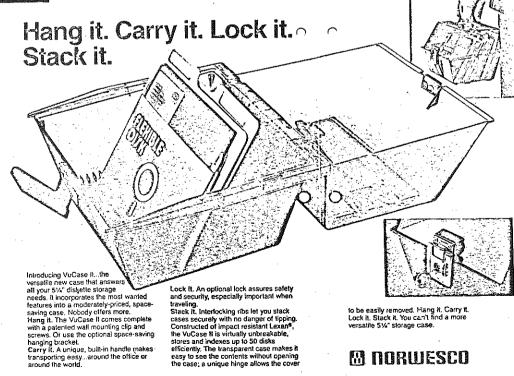
the Amaray Diskbank.
It's the system that solves all
floppy disk storage and filing
problems.



DISKBANK FEATURES
Interlocking Modular Design:
Allows customers to build a systematic
diskette library. Builds in a vertical or
horizontal direction, it's always at their
fingertips....not lost in office space.

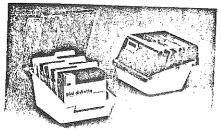
III Innovative Concepts Inc.





to be easily removed, Hang it, Carry it, Lock it. Stack it. You can't find a more versatile 51/4" storage case.

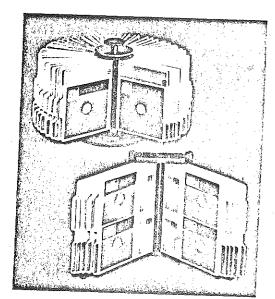
M norwesco

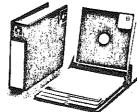


DISKETTE TRAYS

Diskettes are always protected with this new tray. A hinged smoke-tinted lid Disketies are always protected with this new tray. A hinged smoke-linted lid flips out of the way for easy access to diskettes — balanced so unit remains solidly on work surface. Units available for either 5½° or 8° floppy diskettes and come complete with rigid plastic dividers to protect and organize flie. Foam cushion bottom contacts diskettes at the corners to further protect read/write area. Attractive almond cotor complements any work station.

Diskette Tray for 8" floppy diskettes DT050 Mini Diskette Tray for 5 % " floppy diskettes . . . MDT050





FLIP FILES

Black suede vinyl binder protects and displays 20 diskettes or mini diskettes. Closed, it files away on the shelf or in a drawer. Opened, it provides fingertip selection of media. Diskettes are protected within non-glare, antistic formula vinyl files that display full title information. Comes complete with colored labels for coding

Diskette Flip File DB20
Mini Diskette Flip File MOB20

Q. DISKETTE INDEX SYSTEMS

Protective organization for media in either Desk Stand or Rotary format. Anti-static formula, Stand or Hotary format. Anti-static formula, double-sided panels accommodate floppy diskettes and index cards for a maximum media file. Panels for 8" floppy disks hold two each with indexes. Panels for 5¼" mini diskettes hold four each with indexes. Special injection molded Desk Stand holds twenty of either panel (ordered separately) while the Rotary Stand holds 75 (also ordered separately). All diskettes are held in an upright and flat position with full visibility of titling

Diskette Index Panel (holds 2 each) DP1102 Mini Diskette Index Panel (holds 4
 each)
 MDP1104

 Desk Stand (holds 20 panels)
 CDS20

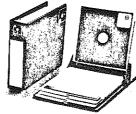
 Rotary Stand (holds 75 panels)
 CRS75
 gave ស ស បីឃរំពា

NMBR N ITEM

LIST AAA\$

** RING KING VISIBLES ~______

2678	DESK ETLE ZOLEN MOEZO		
2676	DESK FILE 30-5" MDF30 DESK FILE 30-8" DF30 DESK FILE 50-5" MDF50 DESK FILE 50-8" DF50	50	33
2679	DESK FILE SO-SO MASS	60	40
2677	DESK FILE 50-8" DF50.	66	44
2684	DESK INDEX 20-SH Warns	80	
2682	DESK INDEX 20-8" DI20	42	28
2685	DESK INDEX 30-5" MD170	50	
2683	DESK INDEX 30-8" DI30	50	33
2670	D130	60	
	DISK FILE TRAY 70-5" LOCK MDT070	44	29
2669	DISK FILE TRAV BOLEN MOTOTO	25	17
2668	DISK FILE TRAY 80-5" MDTOBOR DISK FILE TRAY 80-8" DTOBOR		
2667	DISK TRAV SOLEH MOTOR	40	27
2666	DISK TRAY 50-5" MDI050 DISK TRAY 50-8" DT050	27	18
2672	DISK TRAY CARINCE FOR A FELL	36	24
2673	DISK TRAY CABINET FOR 3 DTOBOR	210	135
2692	DISK TRAY CABINET FOR 8 MDTO80R	230	147
2681	FLIP FILE 20-5" COLORS PCMDB20 FLIP FILE 20-5" MDB20	22	15
2691	FITP FILE 20-0 MORZO	37	25
2680	FLIP FILE 20-8" COLORS PCDB20 FLIP FILE 20-8" DB20	30	20
	ROTARY STAND (SA SA MARKA)	43	29
2674	ROTARY STAND 150-5" MDR150	266	170
2687		300	192
2689	1466 ERE 1-0 DEFENT 95 DAG	74	49
2686		18	53
		65	43
2671	PART LIE FIR APP. MUSEUS SE DVV		47
,1	TROLLEY FOR 6 DTOBOR/8 MDTOBOR	130	84

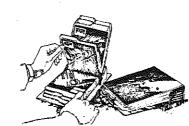


RING KING PROTECTION FOR YOUR DISKETTES

skettes for your personal computer must have defense against dirt and grit, sharp objects, bending and all the other enemies of magnetic media. Otherwise, valuable information could be damaged.

The Ring King Data Defenders for diskettes offer all the protection your diskettes need... and more. The PC line offers economy, durability and maximum storage in a minimum of space.

Every diskette you place in a Ring King PC Data Defender will be protected within anti-static formula vinyl files that display full title information. And all are available in rainbow colors: white, red, yellow and blue.



RING KING PC FLIP FILES

This PC Data Defender bends over backwards to make your information retrieval easy. Closed, the Flip File is a vinyl binder that protects and stores 20 diskettes. You can easily file the binder on a shelf or in a drawer. Open, the cover bends back and out of the way for indexed fingertip selection of media.

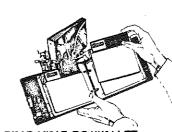
PC-D820 PC 8" Diskette Flip Flie PC-MDB20 PC Mini Diskette Flip File



RING KING PC BINDER FILES Store 20 diskettes in a minimum of shelf space. The Binder Files contain 5 pages, each holding 4 mini diskettes.

Available in two sizes: regular size binder that also holds 81/2" x 11" documents, or mini size common to most PC software manuals. Choose the size and format that matches your work space. All looseleaf files within the binder are of non-glare, anti-static formula vinyt.

PC 81/2" x 11" Binder File PC-L820 PC 6" x 9" Binder File PC-MLB20

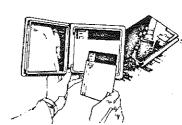


RING KING PC WALLET

Here's a lot of storage at an economical price. Your mini diskettes are kept dust-free and flat in a strong Ring King 55 point "POLYFAST" plastic binder. Store 10 mini diskettes in its five antistatic formula pages. Close the Wallet and it tucks away in a minimum of storage space. Full title information can be quickly seen on each diskette.

PC-MDW/10

PC Mini Diskette Wallet



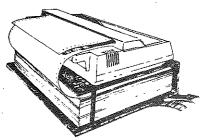
RING KING PC CARRIER CASE

Available in two sizes, this rigid vinyl case safely holds 3 or 6 mini diskettes. It can be used as an extra protective covering when mailing or transporting diskettes. Ideal to keep specific diskettes separate like payroli, taxes. inventory. Also perfect for schools and libraries; wherever diskettes are handled.

PC Carrier for 3 mini diskettes PC-MDC3 PC Carrier for 6 mini diskettes PC-MDC6

DON'T FORGET YOUR DISKETTE PROTECTION

Protection for your magnetic media is just as important as the information each diskette holds. Depend on the Ring King PC Data Defenders to keep your information safe, protected and ready for retrieval.



RING KING PRINTER STAND

In addition to diskette protection, Ring King manufactures a complete line of furniture for the personal computer. Made from durable plexiglass, the Ring King desktop printer stand is designed specifically to save space. The stand raises the printer to accommodate continuous forms. Soft "feet" dampen printer movement and protect your work surface. Rich bronze color complements your computer's appearance as well as your work area. Stand is 18" wide, 121/2" deep, and 5" high.

PC-PS1216 PC Printer Stand

Look for the full line of Ring King computer support products where you buy your computer supplies. If they don't have Ring King products in stock, or if you want to find the location of your nearest dealer, contact Ring King Visibles, Inc., 215 W. 2nd St., Muscatine, lowa 52761. (319) 263-8144. Toll Free (800) 553-9647.

LEADERS IN COMPUTER SUPPORT

organize and protect media. Our Diskette File Tray's are specially designed to hang in standard size file drawers for security, convenience and protection. Can be "ganged" side by side for large capacity in a single drawer.

DISKETTE FILE TRAYS

DISACTIE FILE THATS

Versalile high-impact trays protect up to 80 full size (8") or minl (51/4") diskettes. Altractive almond color complements any work station. Smoke tinted protective cover provides a closed defense from surrounding environment. Moyable follower block and foam cushion in tray bottom keep media upright and flat. Trays come complete, with 8 rigid plastic dividers to croanize and protect media.

22

NMBR N ITEM

3010

3012

DISK LABELS

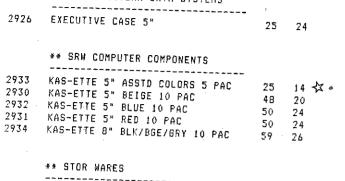
> SPECIFY BLACK OR WALNUT

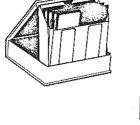
FIBERBOARD FILE 150+ 5" DISKS

FIBERBOARD FILE DIVIDERS/LABELS

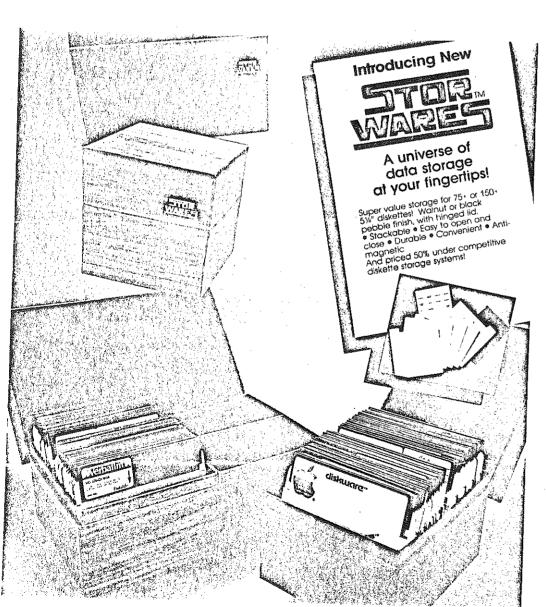
FIBERBOARD FILE 75+ 5" DISKS

SRW"Color Coder"!

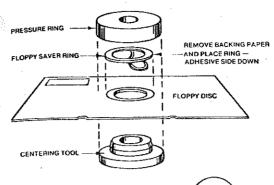








10



PRESS DOWN



MADE IN U.S.A. BY TRI-STAR CORP., CO 81502

FLOPPY SAVER PREVENTS:

Computer drive's clamping hub from tearing disk's center hole.

Costing removal, scuffing and dimpling when the disk hits the rotating spindle.

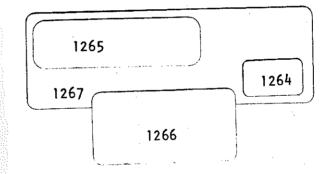
Data loss caused by improper rotation of a floppy disk.

Any damage to Floppy Disk's center hole.

FLOPPY SAVER KIT consists of:

Plastic centering tool and pressure ring.
25 7-mil mylar rings with paper protected adhesive backing.

EASILY installed on disks in seconds. Only one side needs the ring.



The spray that keeps static away.

The cloth that keeps static off.

EVANS Starkings " Cloth is Ideal for many special reads.

Whether it's man-made or natural, Anti-Static Spray is perfectly safe for any material. It's non-flammable, and dries clear...will not stain or discolor. Even reduces wear and works as a soil retardant/deodorizer.
Ideal for home, office or factory; countertops, dry

cleaning and laundry, clothing, socks, plastics, acrylics, fiborglass, electronic business machines, venetian things, including dusinoss machinas, voluntal kilads, light kituries, sensitive meters and indicators, paper handling machines, data processing and computer equipment, industrial plants and more. To apply, just spray directly on surface where static electricity collects. Anti-Static dries in moments and will last until washed off or worn away under heavy contact.

Static electricity can shock, attract dust and dirt, even cause materials and equipment to stick together EVANS Anti-Static Spray eliminates these problems. Now only \$3.95 per bottle, catalog no. EAS 16. Also available in one gation containers at \$23.95 each, catalog no. EAS 128.

From home or office computer CRT screens to tele-From nome or omice computer on a screens to refer-vision screens and records, a single wipe of the Stat-kleer (Zoth removes static and dust build-up. And on these as well as other selected surfaces, the dry cloth means no potential for liquid streaking or residue film.

On a CHT or television screen, static electricity

can collect dust obscuring vision...or the static can even cause video interference. With records, or other even cause video arentecticus, un intercous, or own surfaces around electronic equipment, static electricity can constantly be polluting the environment by creating a build-up of dust and dirt. And with a home computer, It's vital to keep all cabinet surfaces and working

areas clean.

Now, used at least once a day, the Statkleer Cloth
will help insure the cleaner environment you need.
Impregnated with a special chemical treatment,
and made of double napped, 100% cotton flamel fabric, the 12" × 12" Statkleer Cloth will retain chemical
potency for 4 to 6 months. (Kept in its Secure-Seal pouch and shaken briskly at least once a week.)

Most important, it's dry, safe and easy to use.

Will not scratch or damage any surface.
The Statkleer Anti-Static Cloth is available now for only \$2.95, catalog no. STAT-1212.

	** AVERY			
	> REMOVABLE WH	IITE LABELS		
1267	LABEL 1 X 3 51	648 250/BX	5	4
1268	LABEL 1-3/4 X	4-3/4 S5253 100/BX	3	3
1265	LABEL 1/2 X 1-	-3/4 5828 B40/BX	5	4
1266	LABEL 3/4 X 1-	-1/2 S1224 500/BX	4	3
1264	LABEL 3/B X 5/	/8 5610 1000/BX	4	3

HUB RINGS

					-	
3229	HITE F	RING	KIT 5"	W/25 RINGS	15	7
3230				W/25 RINGS	17	8
3231	HUB F	RING	REFILL	5"-50 RINGS	В	5
3232	HUB F	RING	REFILL	B"-50 RINGS	9	6

** TRI-STAR

DISK DRIVE DUST COVERS

	** COVER CRAFT		
1534 1510 1511	> CLEAR PLASTIC NEC 8031A MINIDISK ONE 5" DISK DRIVE TWO 5" DRIVES-STACKED	9 9 9	8 8 8
	** SOUTH COAST ENTERPRISES		
2884 2885	> TAN PLASTIC DISK DRIVE TWO DISK DRIVES STACKED	6 B	6

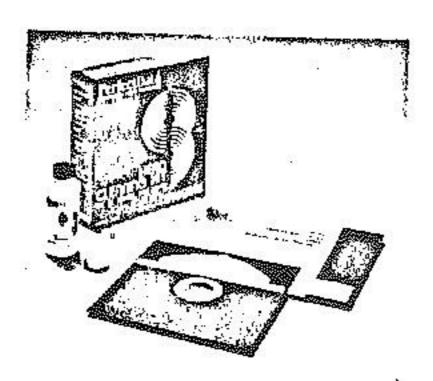
CLEANING KITS

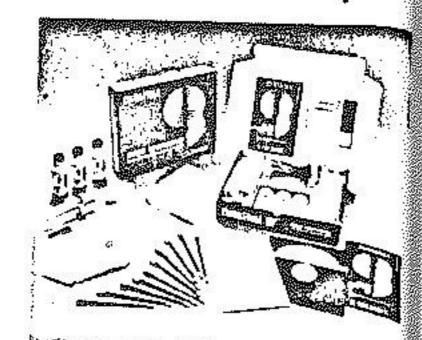
	** EVANS	
1746 1745	ANTI STATIC CLOTH ANTI STATIC SPRAY 1 QT	3 4
	** INNOVATIVE COMPUTER PRODUCTS	
1861	ANTÍ STATIC KIT	7

PERFECTDATA HEAD CLEANING KIT

The PerfectData Head Cleaning Kit removes contamination from recording heads of 8" or 51/4" flexible disk drives. It safely cleans single or disk sided drives without field engineering assistance, and it's simple. Dispense special cleaning solution onto the lint-free cleaning disk through the cut in the diskette jacket, insert the cleaning diskette and activate the drive. cleaning solution quickly and safely loosens head contomination, and non-abrasive disk gently buffs the head dry.

The PerfectData Head Cleaning Kit reduces computer downtime, reduced maintenance costs, and extends media and head life. Our patented wet/ cleaning method is recommended by most leading flexible disk drive an computer manufacturers. Each kit provides cleaning capability for one dri for up to six months (26 cleanings).



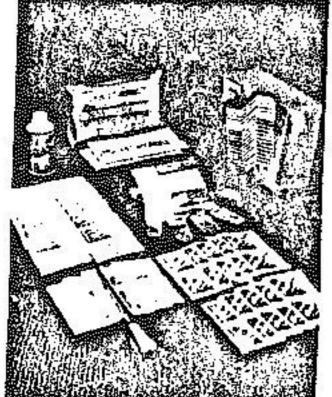


PERFECTDATA MICRO MAINTENANCE KIT

The Micro Maintenance Kit provides the necessary cleaning supplies for the small business computer or personal computer. It is intended for period preventative maintenance and cleaning of flexible disk drives, tape drives printers, CRT screens, and keyboards. The kit Includes a flexible disk drive hea cleaning diskette and special cleaning solution. It also includes CRT scree cleaner, cleaning wands, lint-free cloths, a brush, and anti-static spray if protect sensitive circuits from damage caused by static charge. An instruc tion booklet explains the use and benefits of each component and helps the user plan an effective preventative maintenance program.



Computer Room Kits segment the constant of the Cleaning Kits with the segment the constant of the Computer Room Kits and the Com



HEAD CLEANING KIT 8"

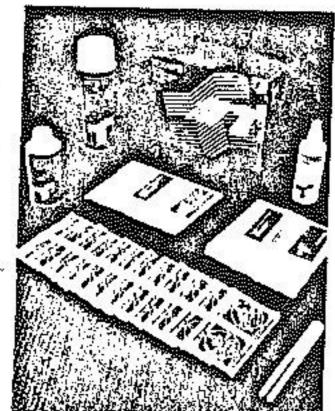
HEAD CLEANING KIT 8" REFILL PAC

3249

DTC295 Computer Printer Cleaning Kit

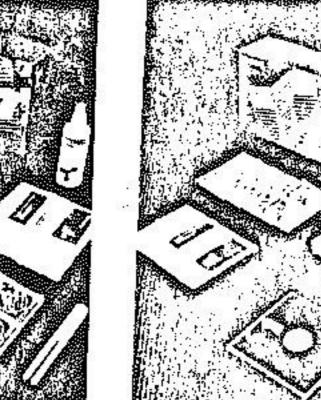
- · 40 Ink-OH · 10 Office Wipes · 20 Alco-Pads · 1 Bag Bluewipes · 25 Gloves
- · 1 Brush · 1 TP-35 non-aerosol 9.5 oz. · 1 Texwand

The printer preventive maintenance kit DTC 295 from Texwipe gives your customer all the products, plus easy-to-follow instructions, for cleaning the printer and ensuring its maximum efficiency and print-out legibility. The cleaning of the printer of the computer is often ignored by the user and left to the repairmen (often when it's too late for preventive maintenance).



DTC294 Computer Room Kit

- ·1 CRT 4 oz. pump
- non-aerosol · 50 Techni-Cloth Wipes 6"x6" · 1 Static Neutralizing Cloth · 1 Antistat spray aerosol 15 oz.
- · 24 Texpads · 1 Head & Disc Cleaner non-aerosol 9.5 oz.
- Texwipe's Computer Room Kit DTC 294 contains products for the 3 most important aspects of the computer room: The Environment (Antistatic Spray); The Terminal (CRT Cleaner, Wipes, Static Neutralizing Cloth); and The Tape Transport (Solvent, Texpads & Wipes). Virtually all the products your customers will need to keep the environment and equipment clean and contamination free.



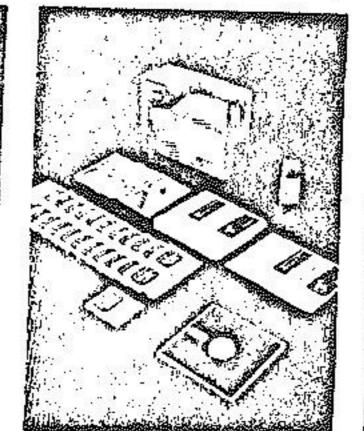
DTC284* (51/4" Disk) DTC284A* (8" Disk) Microcomputer Cleaning Kit

- · 1 Read/Right Floppy Disk **Head Cleaner** · 1 Read/Right Metered
- Spray Head Cleaner aerosoi 1 3/4 oz. ·1 CRT pump non-aerosol
- •50 Techni-Cloth Wipes 6"x6" · 1 Texstat non-serosoi 4 oz. · 1 Static Neutralizing Cloth 10 Office Wipes

*Includes pump spray antistat CRT cleaner.

**Includes preseturated pad CRT cleaner.

Wipes



DTC288** (51/4" Disk) DTC288A** (8" Disk) Microcomputer Cleaning Kit

- · 1 Read/Right Floppy Disk Head Cleaner · 1 Read/Right Metered Spray Head Cleaner aerosol 1 % oz. · 24 Clearview Terminal
- · 30 Techni-Cloth Wipes 6"x 6" · 1 Texstat non-serosol 4 oz. 1 Static Neutralizing Cloth ·10 Office Wipes

There are two main types of contaminants that can affect the performance of a floppy disk read/ write head-airborne contaminants and oxide build-up. The Read/Right Floppy Disk Head Cleaner allows for easy cleaning of the inaccessible head without taking apart the mechanism. The cleaning solution used in conjunction with the disk leatures a metered spray valve enabling the user to apply a precise premeasured amount of cleaning solvent to the head cleaning

DTC266 (51/4" Disk)

Read/Right Floppy

· 1 Read/Right Floppy Disk

Disk Head Cleaning Kit

DTC267 (8" Disk)

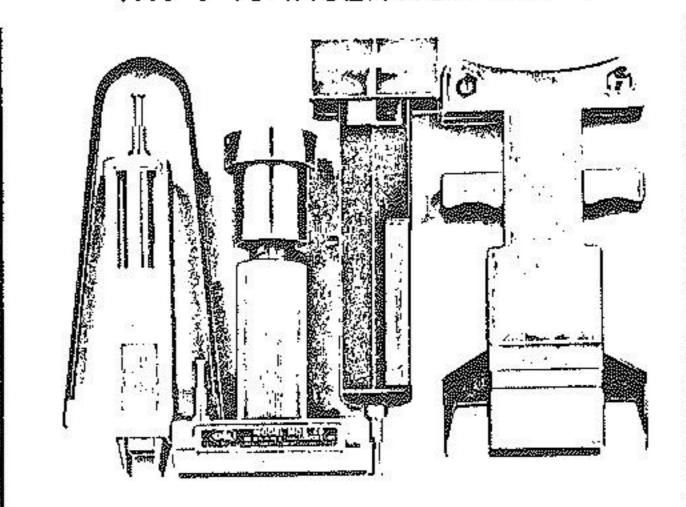
· 1 Read/Right Metered

Spray Head Cleaner

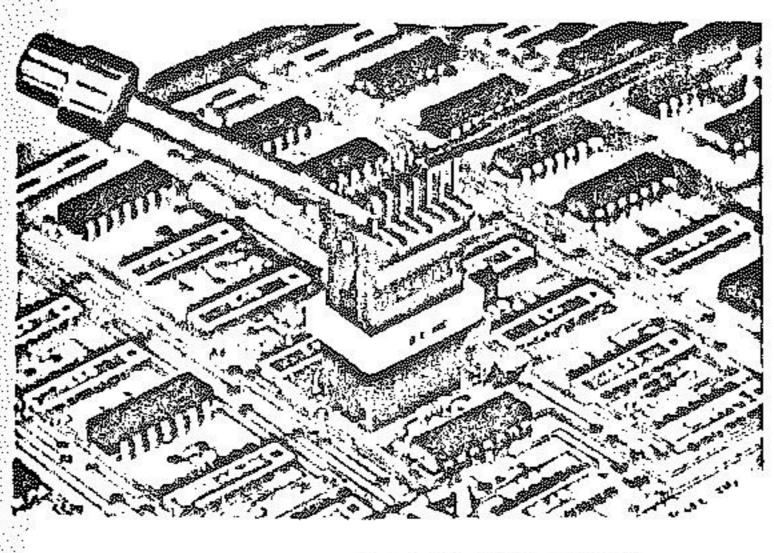
Head Cleaner

aerosol 1% oz.

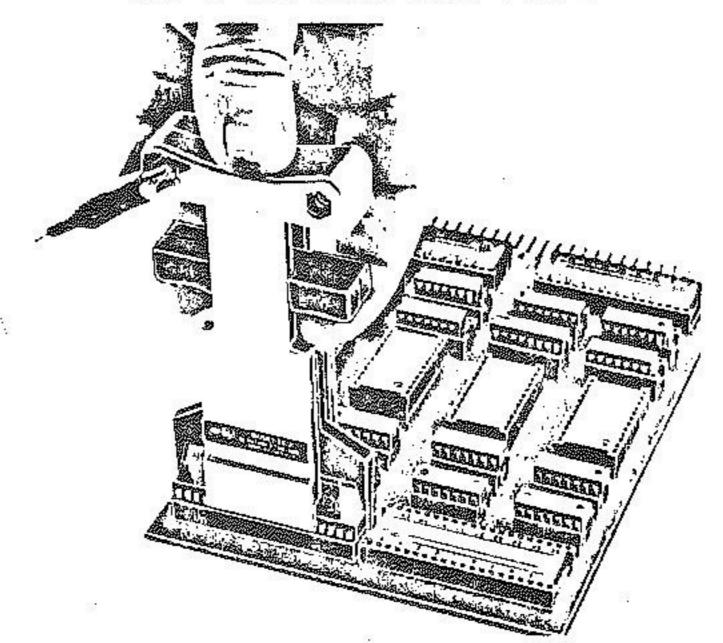
WK-7 IC INSERTION KIT

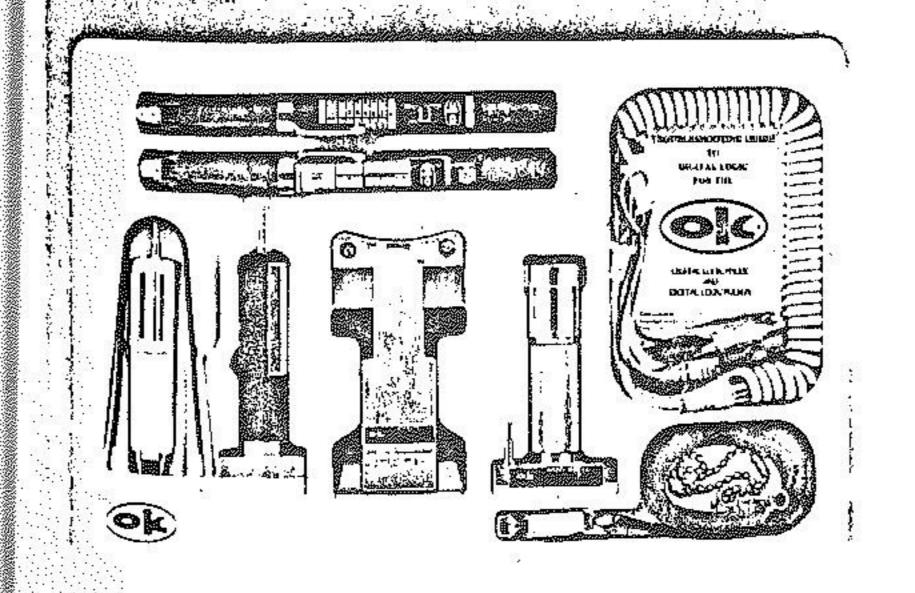


CHIP-CLIP



EX-2 EXTRACTION TOOL

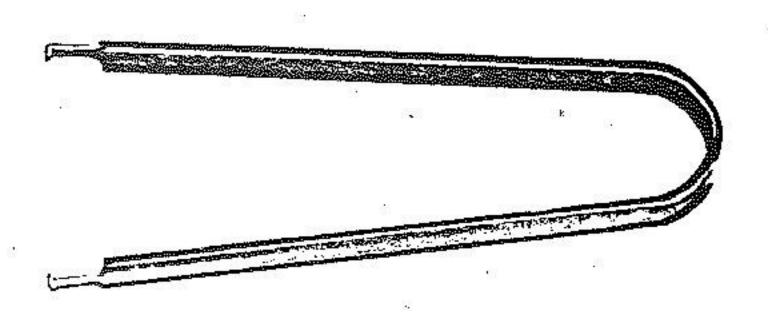




CHIPS & TOOLS

NMBR N	ITEM	LIST	AAA\$
	** CALIFORNIA COMPUTER SYSTEMS	23	
1327	RAM FOR ROM RPLMT 7001A	20	19
1328	UNBURNED ROM 7601A	20	17
	** OK INDUSTRIES		
2313	CHIP CLIP CC14	7	6
2314	CHIP CLIP CC16	7	6
2315	CHIP CLIP CC24-28	17	16
2316	CHIP CLIP CC36-40	25	24
2317	CHIP CLIP CC64	38	35
2312	CHIP CLIP CC8	В	7
2308	EXTRACTION TOOL EXI	3	2
2309	EXTRACTION TOOL EX2	11	10
2310	INSERTION/EXTRACTION KIT WK7	38	35
2318	SET OF & CHIP CLIPS	101	89
2311	TROUBLESHOOTING KIT WK8	151	136

DIP/IC EXTRACTOR TOOL



** ADEL TOOL

> NIBBLE A MATCHING SQUARE

> NOTCH & USE BOTH DISK SIDES! NIBBLING TOOL 1040

CUTS

Holes - Any Shape any Size over 7/16"

NOTCHES Clearance For Plugs - Wiring

TRIMS Undersized Holes To Fit Parts

CAPACITY

Steel - 18 Gauge (.0475") Aluminum - 16 Gauge (.0625") Plastic and Copper

IT'S EASY TO USE

Start with a 7/16" Hote Then Cut to Size and Shape Required. Replacement Punch Available.

IDEAL FOR:

Installing CB Radios, Home Air Conditioning Units, Humidifiers, Vinyl Tile, Automobile Body Work, Air and Heating Duct Work, Model Aircraft and Railroan Hobbyists, any Sheet Metal or Plastic Work, Aluminum Siding, Plus many other u.

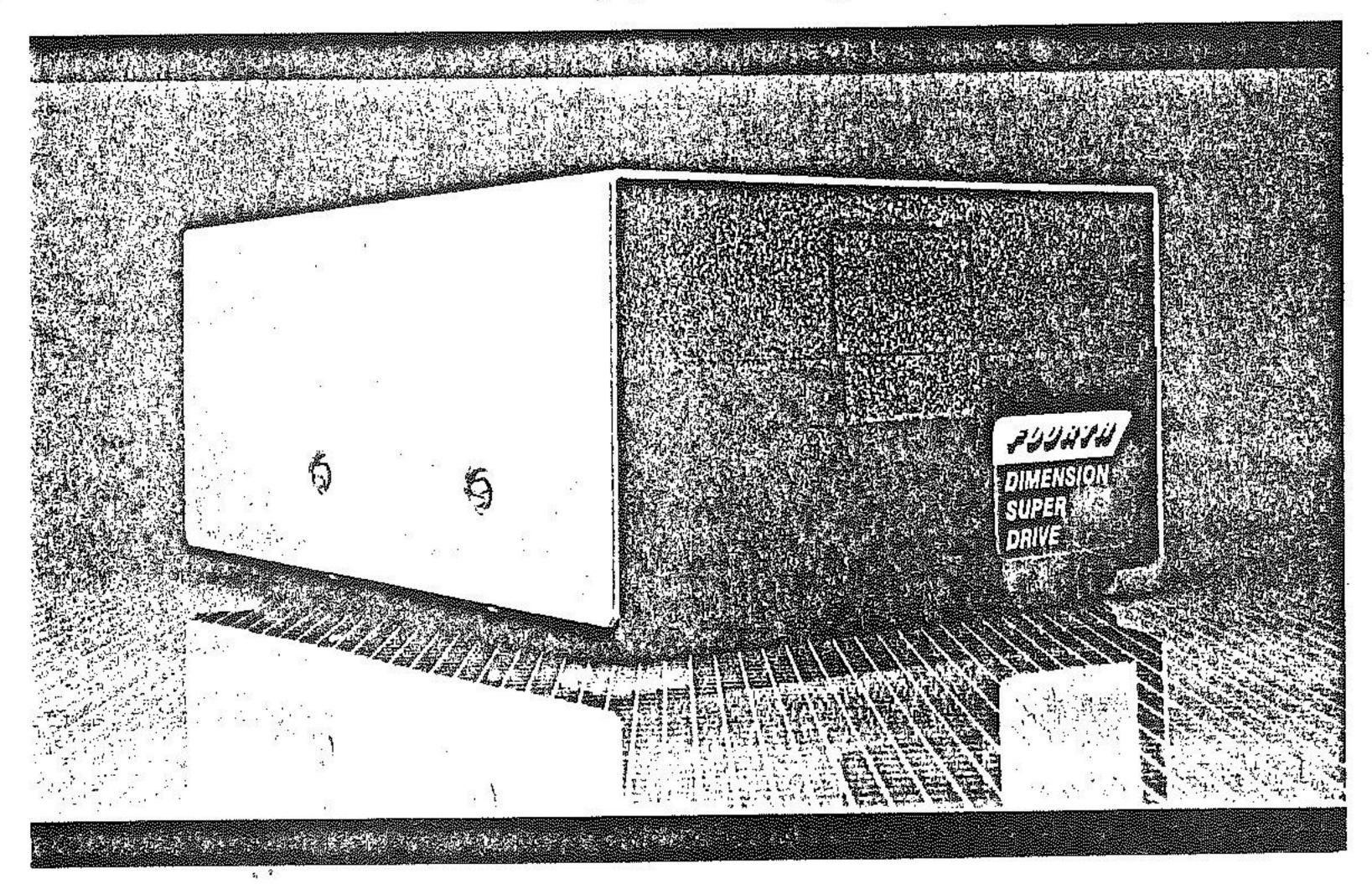


DISK DRIVES

NM 	BR N ITEM	LIST	AAA\$		** LAZER MICRO-SYSTEMS	38
					97 SLIMLINE 5" SS SD 35/401 TFAC	
	** AMDEK				99 SLIMLINE CONTROLLER 98 TWO SLIMLINE IN CABINET	a ¹
	MILLOW DO DE DISKSIU PAC	299 799 70	273 722 68		** LOBO SYSTEMS INTERNATIONAL	
	** APPLE COMPUTER			340 340 203	OF LOBO 1850A 8" HARD DISK SYSTEM	3459 3059
114 114	** 6 22 20 0KIAE	525 645	369 419	203 340 340	SE LOBO 3101-I & CONTROLLER CARD LOBO 5101CA 8" DS DD & CARD	385. 455 1625
20 AT 2000000	** CORONA DATA SYSTEMS			341 340 340	O LOBO 8" CP/M DISK 9 LOBO 8" PASCAL CREATOR DISK	1925 54 54 1325
145 145	The state of the s	E 2695 2195		340: 340: 340:	2 LOBO 8202CA TWO 8" SS DD 5 LOBO 950A & 5" DS DD FLOPPY	1625 2675 2375
	** CORVUS SYSTEMS		100	M _{EE}	** MA SYSTEMS	
1487 1483 1484	CORVUS OAMB HARD DRIVE SYSTEM CORVUS 11MB HARD DRIVE SYSTEM	100 2495 2 3495 30	137	3448	FD35 OMNI SS SD 5" DRIVE	24
1485 1472 1477	DISK INTERFACE KIT D/AP	4495 3: 300 :	816 192		** MICRO-SCI/STANDUN CONTROLS	
1486 1470 1471	FLEX ANTI GLARE SCREEN WSR/S	35 900 7	35 787	2096 2103 2097	A2 CONTROLLER CARD	345 26 100 8 445 346
1474 1475 1473 1476 1479 1488 1489	MULTIPLEXER 15' CABLE CC/15 MULTIPLEXER 30' CABLE CC/30 MULTIPLEXER 5' CABLE CC/05 MULTIPLEXER 50' CABLE CC/50 OMNINET APPLESHARE DISK AP/SN OMNINET DISK SERVER DS/AP	60 80 40 100 1490 12	187 57 74 37 94 74	2098 2099 2102 2100 2101 2104	A40 5" SS SD 40T DRIVE A40 W/CONTROLLER A40/A70 CONTROLLER CARD	445 347 379 307 479 388 100 84 529 375 629 475 20 14
1478 1480 1481	OMNINET TRANSPORT PAC OMNINET TRANSPORTER OM/A2 OMNINET TRUNK CABLE 1000' TAP BOXES-4 & 2 TERMINATORS	1895 160 495 44 250 23	44 51		** MITSUBA/EI-EN ENTERPRISES	
1482	UPGRADE DISK AP/CPM ** DA COMPUTER PRODUCTS/CBE	97	37 74	2142 2144 2143 2145	SUPER 5T40 5" SS SD SLIM SUPER 5T40 CONTROLLER SUPER 5T80 5" DS SD SLIM SUPER 5T80 CONTROLLER	294 66 413 72
1551 1549	DIAGNOSTIC CONTROLLER DISK DRIVE 5" SS SD 35T	125 9 325 24	~ ₂₀		** MOUNTAIN COMPUTER	
1550	HALFHEIGHT 5" 5S 5D 40T	349 263		2175 2176	UNDO DIAN CAMP ACCES	2695 2352
	** DANA INDUSTRIES	89	₩	2177 2178	HARD DISK 15MB SYSTEM	395 2822 995 3293 550 509
1556	DISK CONTROLLER CARD	95 76	1			
	** DAVONS		8	2398	** PERCOM DATA	
582	UNIVERSAL EXT TOMB HARD DRIVE	1995 1781 2395 2138 2795 2466		2399 2400 2401	PHD10 10MB HARD DISK SYSTEM 1 PHD15 15MB HARD DISK SYSTEM 2	595 1145 995 1429 495 1845 995 2321
	** FOURTH DIMENSION SYSTEMS	\$		2%	** PFENYAN KAPPA INTERNATIONAL	
791 792	SUPER 5" SS SD 35T DRIVE SUPER W/CONTROLLER	399 229 419 268		2520 2519	CONTROLLER NF505 5" DS SD 35/40T DRIVE NF505 5" SS SD 35/40T DRIVE	63 494 269
						40/

FOURTH DIMENSION SUPER DRIVE TM

the proven standard in Apple compatibility



Fourth Dimension's Super DriveTM is a high-speed, random access 51/4" floppy disk unit. This drive provides highly reliable, yet affordable disk storage and data handling capabilities for Apple users. Many years of design expertise have gone into the engineering of this drive to guarantee smooth operation and complete Apple compatibility. Thousands of units are in productive use today . . . field-proven to perform perfectly with most popular operating systems (DOS 3.2.1®, DOS 3.3®, PASCALTM, and CP/M®). Our advanced read/write electronics allow quicker, more accurate reading of data. Data integrity standards meet or exceed professional user requirements.

Super DriveTM :... the Apple alternative you can depend on you have our word on it.

DOS 3.2.1 and DOS 3.3 are registered trademarks of Apple Computer Corporation. PASCAL is a trademark of UCSD; CP/M is a registered trademark of Digital Research Corporation.

Fourth Dimension Systems 3100 W. Warner Ave. #7 Santa Ana, CA 92704 (714) 850-1228



Extended Warranty -

Because we expect the drive to perform reliably, we offer the standard 90 day parts and labor warranty plus a free 9 month warranty extension.

A full year of professional support.

Immediate Delivery -

Fourth Dimension Super Drives[™] are available now . . . in dealer quantities. In fact when we receive your order before noon P.S.T., we provide same day shipment.

Order With Confidence -

Because Fourth Dimension gives you what you expect. Apple compatibility, an extended warranty, immediate delivery and a reasonable price (suggested retail price \$419.00). We accept MasterCard and Visa orders. Dealer discounts are available. Contact us today.

A SUPER Buy at \$229 268 w/Controller

DISK DRIVES

NMB	R N ITEM 	LIS	T AAA\$
	** PROMETHEUS PRODUCTS		
2525		•	
2579 2589	TERRITAGE BONINGETEN	12	
2580	APPLESURANCE CONTROLLER-SOFTWARE	15	0 122
	THE PARTY OF THE PARTY		0 43
	** QUENTIN RESEARCH		
			? *
2619 2620	Bu 30 33/401 DKIVE	33:	5
2621	APPLE-MATE CONTROLLER DIAGNOSTICS DISK CONTROLLER	6	
2622	Q-DOS DISK OPR SYS ENHANCEMENT	123	
2627 2628	0505 05MB WINCHESTER HARD DRIVE	2195	
2629	Q510 10MB WINCHESTER HARD DRIVE Q515 15MB WINCHESTER HARD DRIVE	2395	7.0
2630	0520 20MB WINCHESTER HARD DRIVE	2695 2995	
2631	UST1 TIME HINDURGERS	3195	
			1174
	** QUME		
2641	TWO RE DE CE RETUEN MANAGEMENT	5 <u>0</u> 22.	i portinis comme
-071	TWO 8" DS SD DRIVES W/PWR SUPPLY USE SVA OR VISTA CONTROLLER	1995	1661
	** RANA SYSTEMS		
	nnm-31316Mb	7/2	
2651	TO TO THE PRIVE	379	288
2653 2654	ELITE 1 W/CONTROLLER CARD	519	378
2655	ELITE 2 5" DS SD 40T DRIVE ELITE 2 W/CONTROLLER CARD	649	450
2656	ELITE 3 5" DS DD 80T DRIVE	749 849	540 584
2657 2652	ELITE 3 W/CONTROLLER CARD	949	67B
2002	ELITE ONE CONTROLLER CARD	145	90
	** RGB DESIGNS		
3436	DIAGNOSTIC CONTROLLER	125	97
3434 5435	MINITAUR SLIM SS SD 5" DRIVE	349	263
3432	MINITAUR W/CONTROLLER TAUR II SS SD 5" DRIVE	479	350
433	TAUR II W/CONTROLLER	325 450	244 325
		.50	020
	** SAMSON		
		21	
770 769	CONTROLLER 5" DS	115	97
767	HAI FUETGUT 200 EN CO OR POLITICAL	115	97
766	HALFHEIGHT 300X 5" SS SD DRIVE		291 311
768	HOLFHEIGHT 710 ED BO OF BEILL		499
	27	10.000	
8.			98
	27 52		
	** PLEASE NOTE, THROUGHOUT THE		
9*	CATALOG, 5" MEANS 5-1/4"		
*			
	1727		

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NMDD N TTCH	0.3	2
NMBR N ITEM	LIST AGA	
		á

**	SORRENTO	VALLEY	ASSOCIATES

> FLEX PACS INCLUDE MEGAFLEX CD

ELX 6D		:788.
AMSSOOS OSMB 5" HARD SYSTEM	3339	305
AMSSOID 10MB 5" HARD SYSTEM	3595	717
AMS8101 2 SS 8" DRIVES W/DISK2+2	1995	1000
AMSB201 2 SS 8" DRIVES W/7VX4	2205	200
AMSB202 2 DS 8" DRIVER W/ZUVA	2275	TAR
CASE T DO D DRIVES W/LYA4	2442	728
CABLE-ZVX4 TO 2-8" DRIVES	50	4.
MAYIELEY + OH DOTHE DAG		7.8
MANTICEN I & DRIVE PAC	1450	32
MAXIFLEX 2 8" DRIVES PAC	2495	
MEGATIEV CONTROLLED	2473	: 썙
MEDHILEX CONTRUCTER	299	250
MICROFLEX 2 3" DRIVE PAC	1400	- 48
MINITIES OF THE	1470	
MINIFLEX 2 5" DRIVES PAC	1799	
MINITEREY AME S-DEV DETUE CHOTCH		
TOTAL CEN OUR REPORT DELAKE SARIEM	1449	
	AMSSO10 10MB 5" HARD SYSTEM AMSS101 2 SS 8" DRIVES W/DISK2+2 AMSS201 2 SS 8" DRIVES W/ZVX4 AMSS202 2 DS 8" DRIVES W/ZVX4 CABLE-ZVX4 TO 2-8" DRIVES MAXIFLEX 1 8" DRIVE PAC MAXIFLEX 2 8" DRIVES PAC MEGAFLEX CONTROLLER MICROFLEX 2 3" DRIVE PAC MINIFLEX 2 5" DRIVES PAC	AMSB101 2 SS 8" DRIVES W/DISK2+2 1995 AMSB201 2 SS 8" DRIVES W/ZVX4 2295 AMSB202 2 DS 8" DRIVES W/ZVX4 2995 CABLE-ZVX4 TO 2-8" DRIVES 50. MAXIFLEX 1 8" DRIVE PAC 1450 MAXIFLEX 2 8" DRIVES PAC 2495 MEGAFLEX CONTROLLER 299

PORTAFLEX 1 5" DRIVE PAC

IVX4 CP/M STARTUP 8" DRIVE

ZVX4 CONTROLLER-8" DD AUTO BOOT

IVX4 DOS TO IBM FILE TRANSFER

ZVX4 PASCAL STARTUP 8" DRIVE

** TAVA

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3126	APPLETTE I SLIMLINE 35/40T	399	3
3127			-
	APPLETTE II SS SD 35/40T TEAC	599	5
3128	CONTROLLER CARD	0.0	_
		99	

# ** TRAK MICROCOMPUTER

3204	AMBASSADOR 10MB HARD DRIVE SYS	2005	2384
3205	AMBASSADDR 15MB HARD DRIVE SYS		-7599
3201	C2000A DUAL B" TRIMLINE DRIVES	1999	2631
3202	COMMANDER TOMB HARD DRIVE SYSTEM	1777	1010
3203	COMMANDER 15MB HARD DRIVE SYSTEM	2505	1912
3198	CONTROLLER CARD C5A		(1999)
3196	Pi-1 5" SS SD 35T DRIVE	135	103
3197	Pi-1 W/CONTROLLER	299	240
3199	Pi-2 SLIM 5" SS SD 40T DRIVE-JUL	430	333
3200	Pi-3 SLIM 5" SS SD 40T DRIVE-OCT		

### ** TRANTOR SYSTEMS

	0.5-47.0 (3 <del>00.</del> 50 <del>0.00</del> )			~~~~~~~~~~~		3
3218	HARD	DISK	SYSTEM	05MB	1995	1441
3219			SYSTEM		2495	
3220			SYSTEM	4 = 14 =	2995	
221				MANAGER	30	24
			100000000000000000000000000000000000000		0.0	_ ~ T

### ** VISTA COMPUTER

3298	DD B" CONTROLLER A800	379	5
3294	DUET SLIM 5" DS SD 40T DRIVE	2/7	
3295	DUET W/CONTROLLER CARD		7 7 13
3296	CHARTET O PHET OF THE	499	431
	QUARTET-2 DUET SLIM SYSTEM	849	737
3292	SOLO 5" SS SD 35T DRIVE	299	
3293	SOLO W/CONTROLLER CARD	379	-33
3297	SOLO/DUET CONTROLLER		3
3299	UIAAA 2-04 CC BRILLER	92	86
	V1000 2-8" SS DRIVE SYSTEM	1549	1296
3311	V1000 DS W/CONTROLLER	1975	1596
3312	V1000 DS W/O CONTROLLER		1411
3310	V1000 55 W/O CONTROLLER		1.0
3300	V1100 2-SLIM 8" DS DRIVE SYSTEM		1167
3309	Utino His Control . To	2400	1967
	V1100 W/O CONTROLLER	1899	1596
3301	V1200 06MB CARTRIDGE DRIVE SYS	1549	1213
3302	V1200 O6MB CARTRIDGE PAC	69	13/1/2
3308	V1200 CONTROLLER ABO1		
3307	V1200 W/O CONTROLLER	379	311
· · · ·	ATTOO MAD COMINOFFER	1399	1131
		10.0	-1923

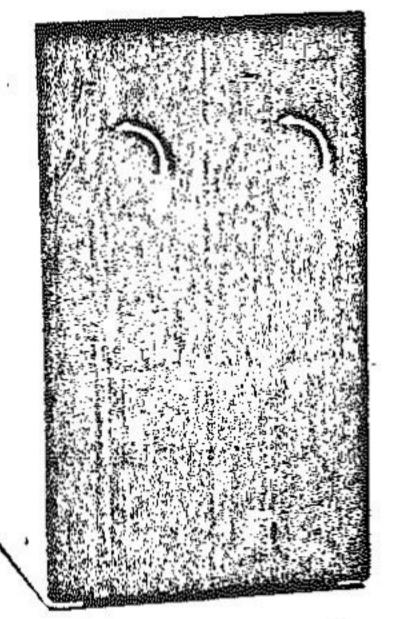
The LASER Disc Drive is a high speed Slim-Line 51/4" floppy disc drive. At 41 mm (1%") it stands half the height of a conventional drive. The Slim-Line size makes it easy to handle or stack along with its pleasing appearance.

LASER Disc Drive has a Mean Time Between Failure (MTBF) of over 8,000 hours. It is designed for Apple® compatibility and engineered for total reliability. The LASER Disc Drive reads DOS 3.2.1°, DOS 3.3°, PASCAL", and CP/M.º

# DISK DRIVES

** VSC TECHNOLOGIES VSC50A 5" SS SD DRIVE VSC55A SLIMLINE 5" SS SD DRIVE ** WANT PRODUCTS CONTROLLER CARD SLIMLINE 5" SS SD TEAC DRIVE TWO SLIMLINE DRIVES IN CABINET ** XCOMP PERSONAL HARD DISK 4X4 8MB

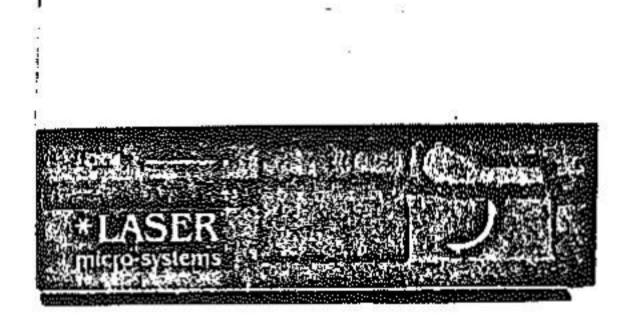
PERSONAL HARD DISK BXB 16MB



If you get somæthing to work,

with it!

Don't scraw



# A SLIM-LINE 51/4" FLOPPY DISC DRIVE

By LASER micro-systems, inc., using TEAC FD55A

● 1%" High

Low Heat

DC Direct Drive Motor

### WARRANTY

As we offer the finest 41 mm (1%") Slim-Line Disc Drive on the market it is sold under a 12 month warranty on parts and labor.

40
**
144 K bytes
163 K bytes
48 TPI
13 or 16
6 m. Sec
300 RPM

*Specifications based on TEAC FD55A unit

Physical Specs: 41 mm 1%" 146 mm 5¾" 203 mm 8"

**Power Requirements** DC + 12V ± 5% 0.3 A typ. 0.7A MA DC + 5V ± 5% 0.55 A typ. 0.7A MA

15 kg 3 lbs. 5 oz.

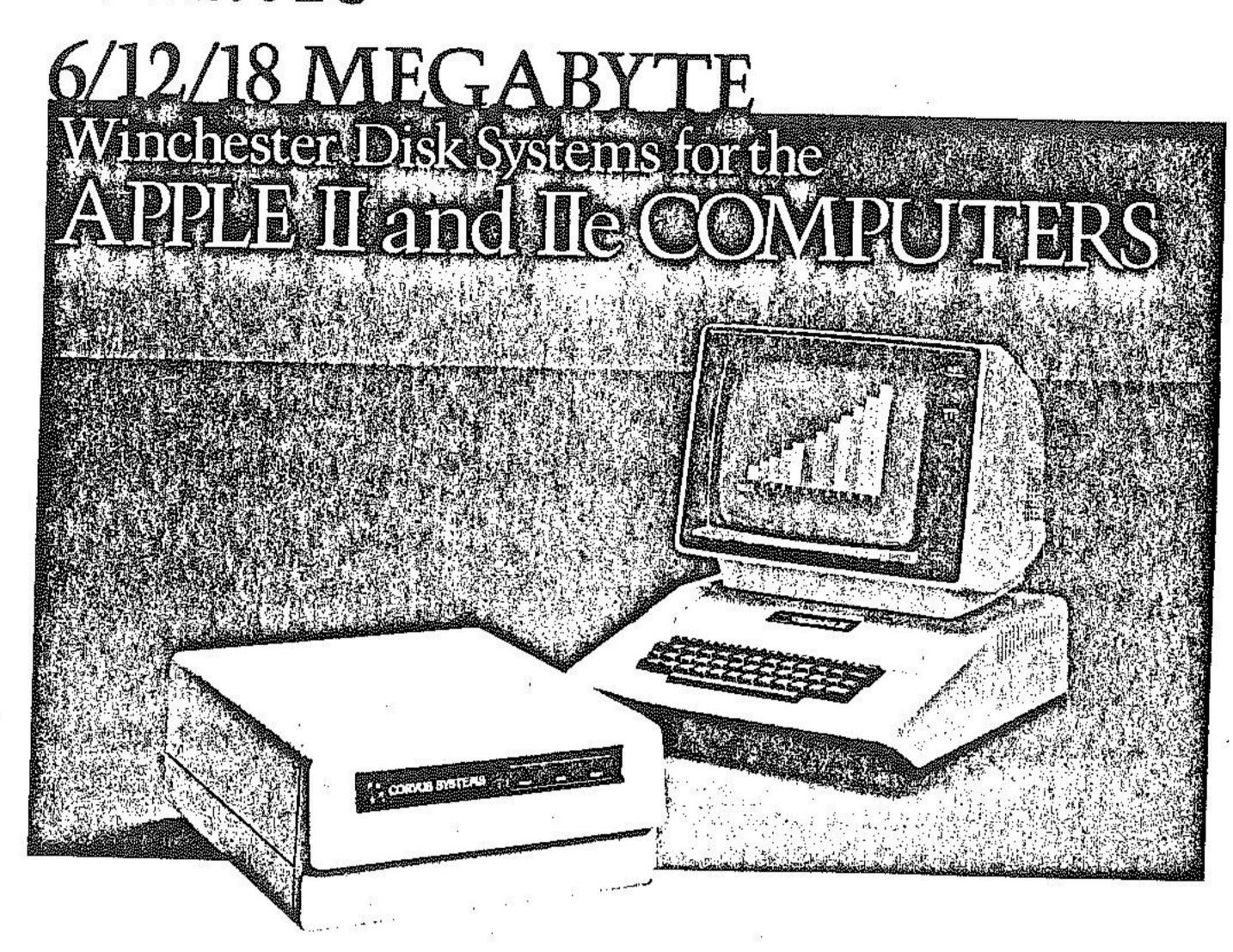
Temperature Specs:

Operation Transportation Storage

-40 - 62° C -22 - 47° C

4 - 46° C

Relative Humidity 20.80% noncondensing Operation 1.95% noncondensing Storage



Multiply The Power of Your Apple II

With the latest Winchester disk system technology from Corvus Systems, you can give your Apple If or He computer the power and speed it needs for today's demanding computer applications. With such features as thin-film plated media and superior head-position-ing systems, the Model 6, Model 11 and Model 20 all offer the advantages of our compact, quiet 51/4 inch design. With all these systems, you can include the fieldproven Corvus MIRROR® video tape backup system for simple, cost-effective Winchester backup.

Built-in Expandability

Corvus designs all its products with your future needs in mind. You can start with a single disk system, and as your needs grow,

let additional computers share the disk and peripherals by means of the Corvus OMNINET™ or Multiplexer local area networks. These systems allow more than 60 Apple If or other brands of computers to share the disk system as well as printers and other peripherals. If on the other hand, you need more data storage capacity, you can add on more disk systems. No matter where your data storage and distri- Error Detection, and high-speed bution needs may lead, you'll be able to get there with Corvus. Your Memory Access). Corvus disk Corvus dealer can show you how.

Reliable Winchester Technology The Corvus line of 51/4 inch

Winchester disk systems sets new standards for reliability. Thin-film plated media on the Model 11 and Model 20 allow greater bit densities without sacrificing data integrity. The sealed environment

keeps dust, smoke, and other particles from reaching the disk surface, and an automatic spindle brake protects the drive during shipping and handling. The Corvus intelligent disk controller insures rapid, reliable data transfer with such features as read-afterwrite verify, automatic error retries, transparent formatting with CRC (Cyclic Redundancy Check) data transfer using DMA (Direct systems require no preventive maintenance.

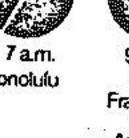
Corvus Software

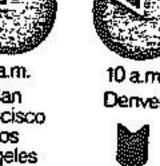
Corvus provides all the software you'll need to support Apple DOS 3.3, Apple Pascal, and Apple CP/M. You can put data from any or all of these operating systems on a single disk system by dividing

# *** CORVUS SYSTEMS

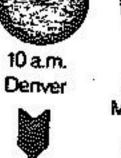
This chart refers to standard time. Most countries observe daylight savings time in the summer by advancing their clocks one hour.

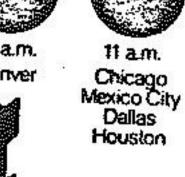


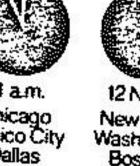




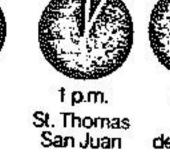


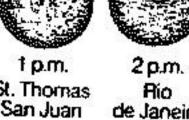


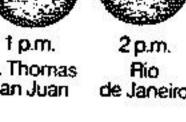










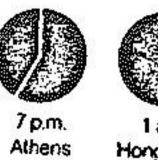


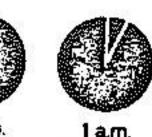




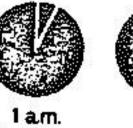
Copenhageh

Geneva Madrid Paris





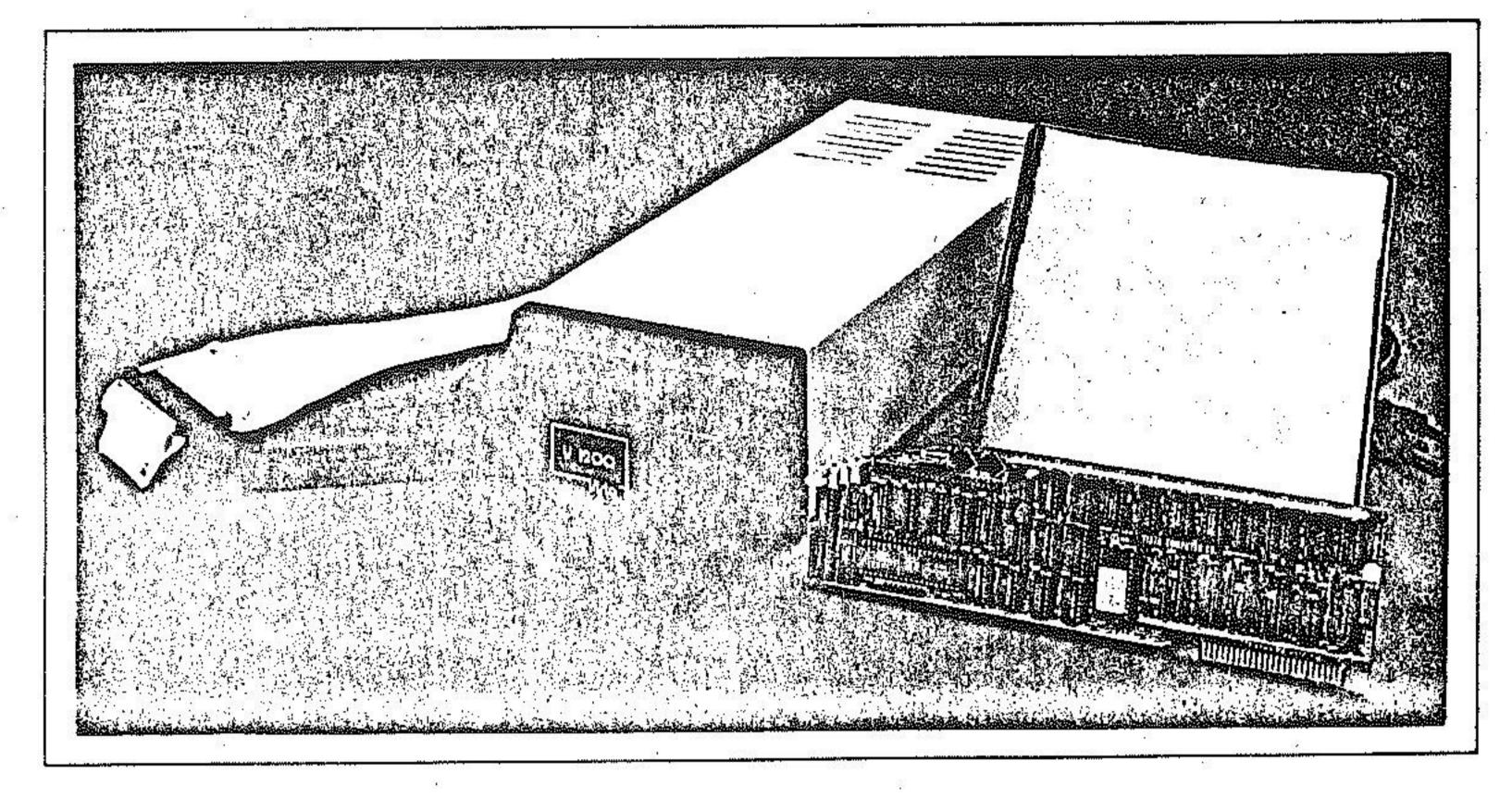












# V1200

### Description:

Mass Storage for your Apple II™ has always been a problem. On one hand, there were the exotic, expensive hard disks with no cost efficient means of backup. On the other hand, the Apple floppy drive lacked the speed and storage demanded by today's professionals.

Vista's V1200 offers both at an incredibly attractive price. The removable VistaPak cartridges offer 6 Megabytes of removable storage each and can be backed up like a floppy.

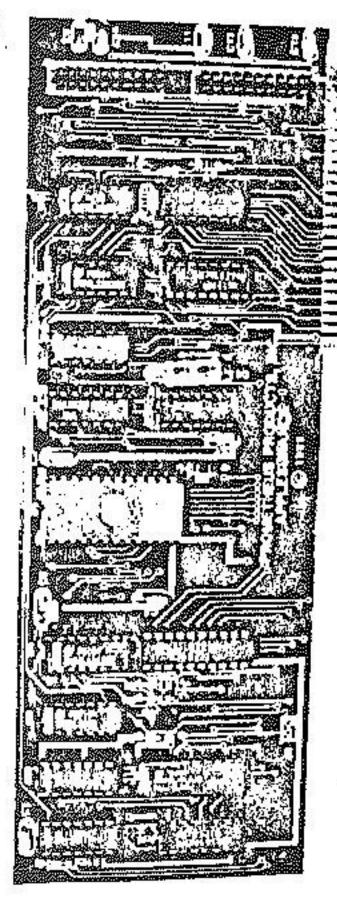
Now hard disk storage and speed can be yours with the added capability of interchangeable media. The V1200 eliminates the worries of head crashes, drive alignments, lost data, or backup with a new application of field-proven floppy technology.

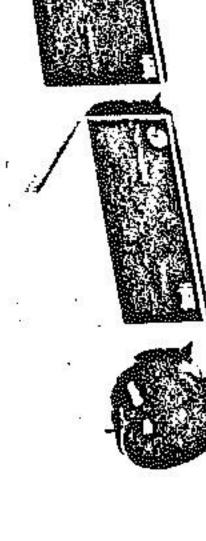
The VistaPak cartridges hold 6MB of formatted data each. The removable cartridge allows you to keep duplicates of your valuable data as well as to keep separate paks for your accounting, wordprocessing, spreadsheet and other applications. No other storage device offers more in flexibility and capability.

The system includes drive, cable, controller, software, and one Vistapak cartridge.

### Features:

- Microprocessor Controlled Drive
- No Mechanical Adjustments
- DMA Controller
- Removable Data Cartridges
- CP/M, DOS & Pascal Compatible
- Quickcharge™, DOS Enhancement Included Documentation Provided — Includes Theory of
- Operation, Utilities, Schematics and Diskette Uses all standard Apple DOS commands (OPEN,
- CATALOG, LOCK, DELETE, LOAD . . . etc.) Except for INIT which has been improved and enhanced in a Vista format routine
- 2K x 8 PROM contains Autoboot functions and all V1200 Driver Code allowing complete memory usage map compatibility with Apple DOS 3.3
- Enhancement to Apple "FID" Program included
- Vista 120 Day Warranty



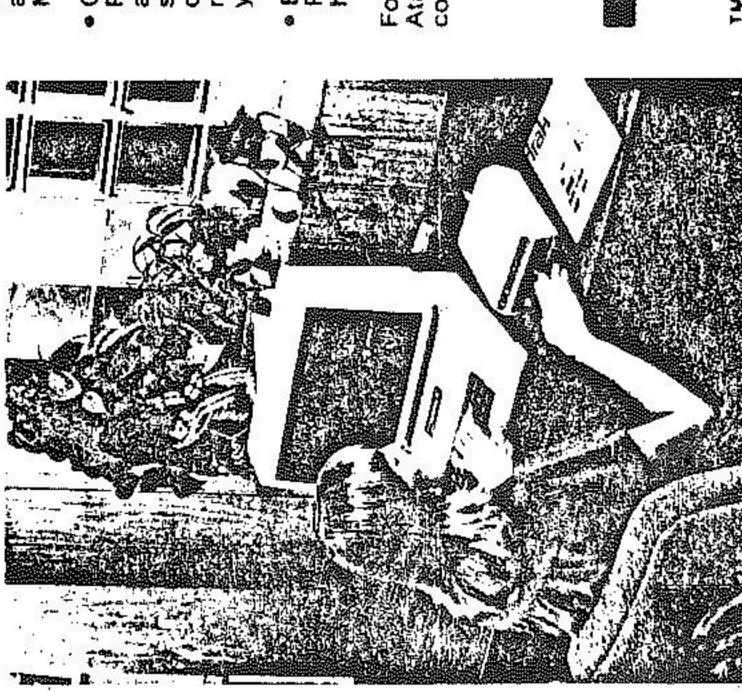


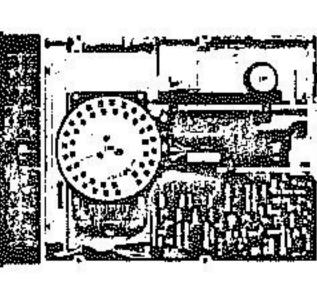
THE COMPANY THAT BROUGHT YAN THE BEST BUY IN APPLE PIE—MORE VALUE WITH PI-2 AND THE UENHANCEMENT WITH PI-3.

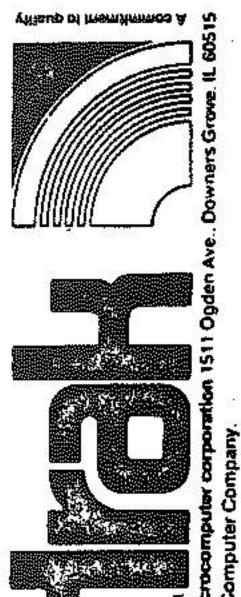
At a suggested list of \$299, Pi-1 is purely in Apple-compatible drives. Pi-1 I software and hardware compatibility Franklin and BASIS computers with proved read-write circuitry.

# CHOOSE PI-2 FOR MORE VALUE

For expanded performance and 163 KB on 40-tracks, we designed than and incorporated significiant technic







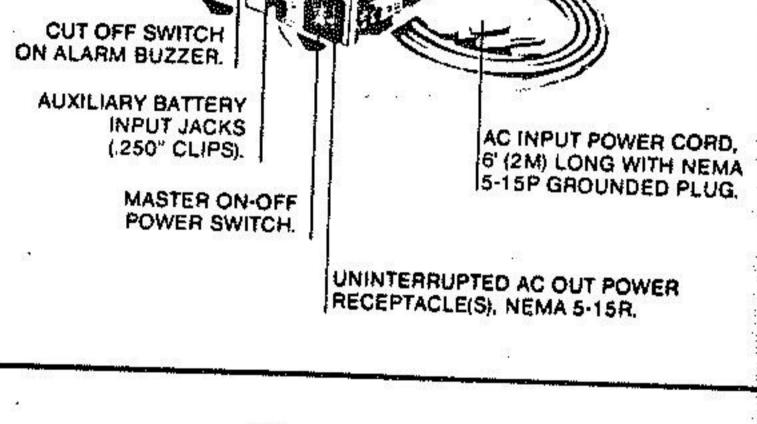
DISK DRIVES

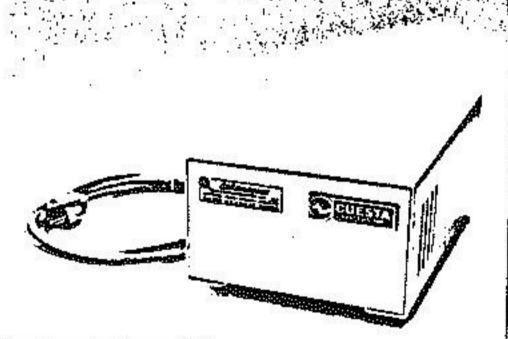
# POWER BACKUP

NMBR	N ITEM	LIST	AAA\$
	** CUESTA SYSTEMS		
1548	DATASAVER 200W BACKUP 2-15 MIN	- 695	500
1547	DATASAVER 90W BACKUP 2-15 MIN	395	598 345
	** DATASHIELD		
1560	BACKUP POWER 150W 15 MINUTES	299	229
	** ELECTRONIC PROTECTION DEVICES		
1673	GRIZZLY 200W UPS 20 MIN	895	926
ži.	** RH ELECTRONICS	200	
2662	CIGARETTE LIGHTER PLUG/CORD	7.0	24
2660	GUARDIAN ANGEL 150W 120V	30 595	26 499
2661	GUARDIAN ANGEL 150W 230V	640	523
2665	GUARDIAN ANGEL DUST COVER	25	21
2664	SUPER TRANSVERTER 12V	150	131
8	** SOLA	a	
2854	BATTERY BACKUP 10 MIN	1579 1	471
2855	BATTERY BACKUP 20 MIN	300 Mg. 18 - 38.	383
	** SUN RESEARCH		i i
	> 5 MEANS SURGE PROTECTION INCL		
3030	MAYDAY60 + 10 1000W	1950 1	857
3026	MAYDAY60 + 2 250W	<u> </u>	519
3027	MAYDAY60 + 25 250W		591
3028	MAYDAY60 + 6 600W		378
Car. 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MAYDAY60 + 65 600W		96
	MAYDAY60 + 5 150W		175
002H	MAYDAY60 150W	400 4	0.04
	200		

# FUNCTION IDENTIFICATION VIEW of DATASAVER™ - 200 WATT

MODULAR ELECTRONICS CIRCUIT BOARD: - AC Power Monitor & Transfer Swtich. - Adjustable AC Voltage Transfer Level. - Precision . 1% Crystal Oscillator. - Power interrupt Status Signal Output. SEALED LEAD/ACID 12V DATASAVER™ FRONT PANEL STORAGE BATTERY. STEEL RESTRAINT INVERTER/CHARGER FOR BATTERY. POWER TRANSFORMER. RED/GREEN LED ALL METAL STATUS INDICATOR 2810 ENCLOSURE (Cover Removed).





90 WATT DATASAVER"

200 WATT DATASAVER"

CUESTA SYSTEMS, INC.

#### DATASAVER" AC POWER BACKUP MODELS 90 WATT 200 WATT 9012060 9024050 20012060 Output Power (Watts, Full Rated Load) 20024050 200 AC Operating Voltage (VAC) 200 240 120 Operating Frequency (Hertz, ±0.10%) 240 50 AC Line Input Rated Current (Amps) 50 1.5 8.0 AC Internal Overload Fuse (Amps) 2.5 1.5 AC Line Input Voltage Range (VAC) 102-132 204-264 102-132 Line to Battery Transfer (msec Max) 204-264 Auxiliary Battery Voltage (VDC)* 11-14.4 11-14.4 10.8-14 VAC Out on Battery (RMS at 75% DC) 10.8-14 102-132 204-264 102-132 Holdup Time on Internal Battery (Minutes) 204-264 At Full Rated Output Load 2-5 At Half Rated Output Load 2-5 Output Receptacles (NEMA 5-15R) Weight (Pounds/kgrams) 10/4.5 10/4.5 14/6.4 "Size (inch/cm) 14/6.4 4/10.2 HIGH, 6/15.2 WIDE, 9/22.9 LONG FOB Factory Direct Price \$395 ea. \$415 ea. (Resale Discounts Offered) \$695 ea. \$730 ea.

*The 200 Watt DATASAVER™ has 1 Amp at 14 Volts available to charge an external auxiliary battery for extended

# POWER SUPPLIES

1200 994

** DYMARC INDUSTRIES

CLIPPER 3 SOCKETS

** SNAP IT

1635

CLIPSTRIP 6 SOCKETS

CLIPSTRIP SUPER & SOCKETS

** SCOOTER/OHM ELECTRONICS

POWER SURGE CONTROLLER

** TIT ELECTRONICS

** M&R ENTERPRISES

PWR STRIP/6 SCKTS/6' CORD/CB/SW

PWR STRIP/6 SCKTS/9' CORD/FT/SW

POWER LINE MONITOR & PRINTER

CLIPCUBE 1102-200VA 1.BA 2 SKTS

CLIPCUBE 1105-500VA 4.6A 2 SKTS

CLIPCUBE 1107-750VA 6.3A 4 SKTS

CLIPCUBE 1110-1000VA 8.4A 4 SKTS

CLIPCUBE 1115-1500VA 12A 4 SKTS

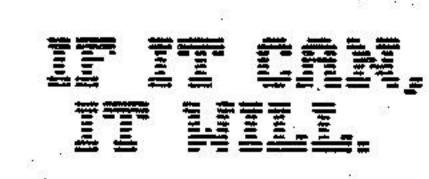
2041	SUP'R SWITCHER-REPLMT PWR SUPPLY 295 2	24
	** MOUNTAIN COMPUTER SYSTEMS	
2156	EXPANSION CHASSIS-ADD ON PWR PAC 750 5	68

# EXTENSION CORDS

	** ANT					
1137 1136			SOCKETS SOCKETS	117 FULL LINE WEST CONTROL	25 22	20 18
	**. SCO	OTER/OH!	1 ELECTR	DNICS		
2807 2808		RIP/4 SC RIP/6 SC	구매하면 되었는데 하다 하다 하다는 사람이 되었다.	CORD/CB/SW CORD/CB/SW	26 29	21 24
	· · · · · · · · · · · · · · · · · · ·	With a	SKID/O	CONDICEIDA	A /	

# SURGE PROTECTION

		2.5	
	** ELECTRONIC PROTECTION DEVICES		
1668	LEMON & SOCKET WALL PLUG	60	48
1669	LIME & SOCKET 4.5' CORD SWITCH	90	71
1671	ORANGE & SOCKET CORD/SW/FILTERED	140	108
1670	PEACH 3 SOCKET WALL PLUG FILTER	98	77
1672	PLUM	50	40
(4)			
	** ELECTRONIC SPECIALISTS		
1710	AC-SF-31 350W 1 3-PRONG	34	23
1712	AC-SFK-21 1000W 1 2-PRONG	32	22
1711		36	24
1714	DP515-IS032 COML GRD 2 SKTS	70	47
1713	DP515-SFT32 INDUST GRD 2 SKTS	79	53
1717	FLCB-LP CB LO-PASS FILTER	21	14
1718	FLCB-T CB LO-PASS FILTER TUNABLE	21	14
1674 1675	ISO-01 COML GRADE 3 SOCKETS ISO-01CB	77 97	51 57
1676	ISO-OICBS	87	57
1677	ISO-01085	96 95	63 62
1678	ISO-01KS ISO-03 INDUST GRADE 3 SOCKETS	116	76
1679	ISO-03CB	126	82
1680	ISO-03CBS	135	88
1681	ISO-03RS	134	87
1682	ISO-04 COML GRADE & SOCKETS	129	64
1683	ISO-04CB	139	90
1684	I 50-04CBS	14B	96
1685	ISD-04RS	147	95
1686	ISD-06 COML BRADE SWITCHABLE 3	180	115
1687	ISO-06CB	190	121
1688	ISO-06CBS	199	127
1689	ISD-06RS	198	126
1690	ISO-07 INDUST GRADE 5 SOCKETS	187	120
1691	ISO-07CB	197	126
1692	ISO-07CBS	206	132
1693	ISO-07RS	205	131
1694	ISO-OB INDUST GRADE SWITCHABLE 5	227	145
1695	ISO-OBCB	237	151
1696	ISO-OBCBS	246	157
1697	ISO-08RS	245	156
1698	ISO-09 COML GRADE 10 SOCKETS	209	134
1699	ISO-09CB	219	140
1700	ISO-09CBS	228	146
1701 1702	ISO-09RS ISO-12 INDUST GRD SWITCHABLE 4	227 233	145 149
1703	ISO-12CB	243	155
1703	ISO-12CBS	252	160
1705	ISO-12055	251	159
1705	AND TO AND THE CONTRACTOR OF T	201	129
1707	ISO-17CB	211	135
1708	ISO-17CBS	220	141
1709	ISO-17RS	219	140
1715	TVFM-HP FLAT 300 DHM LEAD	17	12
1716		19	13



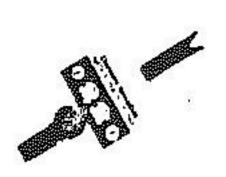
### FEATURES:

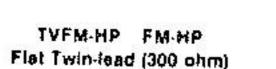
- Dual Balanced-Pi Super Filter (25 KHZ to 200 MHz) 6500 Amp, 8/20 usec Spike Suppression
- Inductively isolated ground

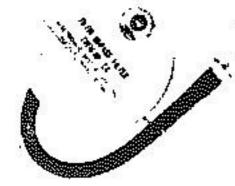
### APPLICATION:

- Solves Severe Hi-Fi & VTA problems
- Solves difficult Instrumentation interference
- Protection from chronic Hi-voltage Line Spikes
- DP-515-SFT-32 Protect installations using portable or irregular power
- Clear up pops & hash on electronic organs & Hi-F!
- Invaluable on Word Processors, Office Machines & Cash Registers
- Buffer hash generating tools or appliances from Power Line

# TV and FM HI-PASS INTERFERENCE FILTERS







TVFM-IIP/CX FM-HP/CX Round Co-Ax Cable (75 ohm)

### INTERFERENCE RELIEF FROM:

CB interference electronic games auto ignition microprocessor hash

industrial machinery household appliances

# EFFECTIVELY PREVENTS INTERFERENCE FROM ENTERING TV or FM RECEIVERS

- ESPECIALLY USEFUL FOR CB INTERFERENCE
- when C8 blasts through on ALL TV channels . when CB blankets ENTIRE FM band
- CONNECTS DIRECTLY TO TV or FM SET ANTENNA TERMINALS
- installs in seconds
- · no wires to cut
- · no holes to drill
- no extra antenna lead or cable needed

# FACTORY TUNED - NO ADJUSTMENT NEEDED

Install It - Forget it

ISOLATED CHANNELS .....

LENGTH ......

###Electronic Specialists

WIDTH .....

PHYSICAL

SOCKETS ......

WEAGHT .... THE PROPERTY OF TH

PIONEER IN MICHOCOMPUTER INTERFERENCE CONTROL

- . METAL CASE FOR ADDED INTERFERENCE ELIMINATION AND STURDINESS Flat 300 ohm twin load most commonly used for home installations.
- Round 75 ohm co-ax cable used for VTR, apartments, CATV, hospitals, motels

Model TVFM - filters are designed for use with either TV or FM receivers Model TVFM-HP flat 300 ohm twin-lead hi-pass filter Model TVFM-HP/CX round 75 ohm co-ax cable hi-pass filter

\$18.75 18.75

GENERAL	COMMERCIA	L INDUSTRIAL
VOLTAGE	174 14 14 14 14 14 14 14 14 14 14 14 14 14	
THEODEROF	50 Mz	******* 125 YOH, AC
COMMENT:		41111, 50 Mz
TOTAL	IS Ampa	
EACH CHANNEL	B Artigs	15 Amps
FOND DANDLING:		В Апра
TOTAL	1874 Walla	5-2-2-14-14-14-14-14-14-14-14-14-14-14-14-14-
EACH CHANNEL		1075 Welle
PIGEORITHE FEST		traces a 1000 Walfe
A. PURCHING I CHIPERA UNIT	ARLM AAAA	\$1,7,1,1,1,1,1,100 Yells
A A A CHINAMA A INCIDE DISCUSSIONA	4.7.444 4 .44	> 1 4, 45°C to 80°C
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the same of the sa	. NEMA \$ 15A	******* NEMA 5-15R
SUPPRESSOR		
CLAMPING.		
CLAMP YOUTAGE		
AMS	146 Mode	
PEAR	TO VINE	145 Valte
FOLARI17	1 () (P_2) 2 (P_2) () () (P(3) () (P(3)	200 Volta
OF INE CONTEST, PEAK	. al-biractional	Bi-Orechipmed
HEEE Standard 8/20 microsecond waveforms	. ADAI Amps	6500 Amps
- PULSE POWER, PEAK;		
AU Projugacionas	. 2,800,000 Walls	4,300,000 Watta
ENERGY DISSIPATION:		70,000 Walls
30 internateconds	50 roules	ALCOHOLOGICAL AND CONTRACT AND
5 millisecond	35 Invites	
OLATION FILTER per shappen	44 144-48	70 poulag
DILL CONTRACT OF SHARINGS		
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GROUND ISOLATION	Industries	•••••• 60 ac
OCHINON MODE	• • • • • • • • • • • • • • • • • • • •	and the same of th
PrPk	1.6	
PREQUENCY RESPONSE	100 KMs 4- 000 1	L-C
AFFECTIVITY	W YELL TO STAN WHILE	1 - 1 - 1 - 25 MHz to 200 MHz
EFFECTIVITY:	W 40	· · · · · · · · · · · · · · · · · · ·
ELECTRO MAGNETIC COUPLING		
RACIO FREQUENCY RADIATION	CMI Alienuation	errores EMP Attenuation
ACC CENTAGE	HIT ASSENDED	RFI Atlanualing
DOEL SENSITIVE		*

ISO-3RS REMOTE SWITCH



COMBINED SUPPRESSOR/

1000 watts AC-SFK-21

AC-SF-31 31.85 AC-SFK-31 Bread Bridge Brown Armed Armed

VISK HUB RINGS

damage

nsurance.

SAVING THE HUB

disks.

Continued from Page 11.

concession to the Apple disk drive

engineering skill to make a disk

to handle!

there you set the timer?) A hub

einforcement ring is a nice to

nsert-remove-insert the same disk

example, your favorite game disk or

etility disk. Also if you are

tareless in how you insert the disk

and how you close the Apple Disk

Drive door, a hub ring is also good

won't make any difference as all

manufacturers have or are

you have one of those older

Apple Disk II drives that now and

then mangles the edges of the hub

hole in your disks, here is a tip.

After you have inserted a disk do

First, type PR#6 (or CATALOG, or

FUND, then press the RETURN key and

Just as soon as the disk drive

light comes on signalling the motor

15 spinning, carefully close the

drive door. Do not snap it shut,

or forcefully close it. The point

is to wait for the motor to start

to spin, while carefully closing

the drive door which will help the

disk to settle into place as you

carefully close the door. A little

practice and you will be doing this

immediately close the door.

hub rings on all their

feature

reinforcement ring is a

that absolutely will not

the disk it was solely

designing a toaster that on

burns the toast no matter

less than perfect disk

But, as time passes it

very, very often. For

lacked

(Can you

- MicroProcessor Glitches HiFi/Stereo/Organ Buzz & Pops
- Tool and Appliance Hash
- Delicate Instrument Damage Business Machine Interference

### KLEEN LINE® HI VOLTAGE SPIKE SUPPRESSOR

- Spikes are caused by lightning, heavy motors, switch gear and power outages
- Suppressor absorbs line spikes 4500 Amp, 8/20 pulse suppression
- Protects delicate & valuable instruments, machines, amplifiers.
- . May provide limited protection from direct lightning hits and long term power line over-

# KLEEN LINE HASH FILTER (110KHz to 200 MHz)

- · Power Line Hash is caused by business machines, tools, appliances, diathermy, microprocessors, motors, spherics, 2-way radio .
- · Hash disrupts microprocessors, audio gear, communications, inter-coms, data transfer. TV, NC machinery, business machines.
- · Line Cord Filter strips off AC power line carried hash for interference-free operation of personal computers, delicate equipment, Hi-Fi, VTR
- · Install Line Cord Hash Filter at microporcossons, tools, motors, business may hines apphaneus, Hi-Fi, VTR, TV, electronic organ, CB base station

### **CB LO-PASS FILTER**

FEATURES:



### Connects Directly to CB Rig no extra cables needed

### LO-PASS FILTER **FLCB-LP**

# Plated Metal Housing

# · maximum durability

no cable splicing

installs in seconds

Designed For CB Operators

· not a warmed over HAM filter!

maximum shielding

### USE THE CB LO-PASS FILTER TO:

- reduce harmonics which cause TV & FM interference
- reduce incoming hi-frequency interference
- restore neighborhood peace
- · restore family peace

### **ULTRA-COMPACT**

- **ULTRA-CONVENIENT**
- · requires absolute minimum space behind CB rig
- requires no special tools or skills for installation
- factory pre-tuned for maximum TV & FM interference reduction

### LO-Pass CB Filter Model FLCB-LP ..... \$20,95

# TUNABLE CB FILTER

- Same Features as Outlined for FLCB-LP Lo-Pass Filter above
- Physical size and appearance identical to FLCB-LP Filter
- Operator tunes and adjusts Filler for MAXIMUM interference reduction Useful where interference exists on only 1 channel or where CB rig

radiates interference on only 1 CB channel Tunable over TV and FM frequencies

Tunable CB Filter Model FLC8-T

\$20.95



# quickly and smoothly. Continued on Page 50.

# POWER SUPPLY

# SUP'R SWITCHER OVERLOADING YOUR

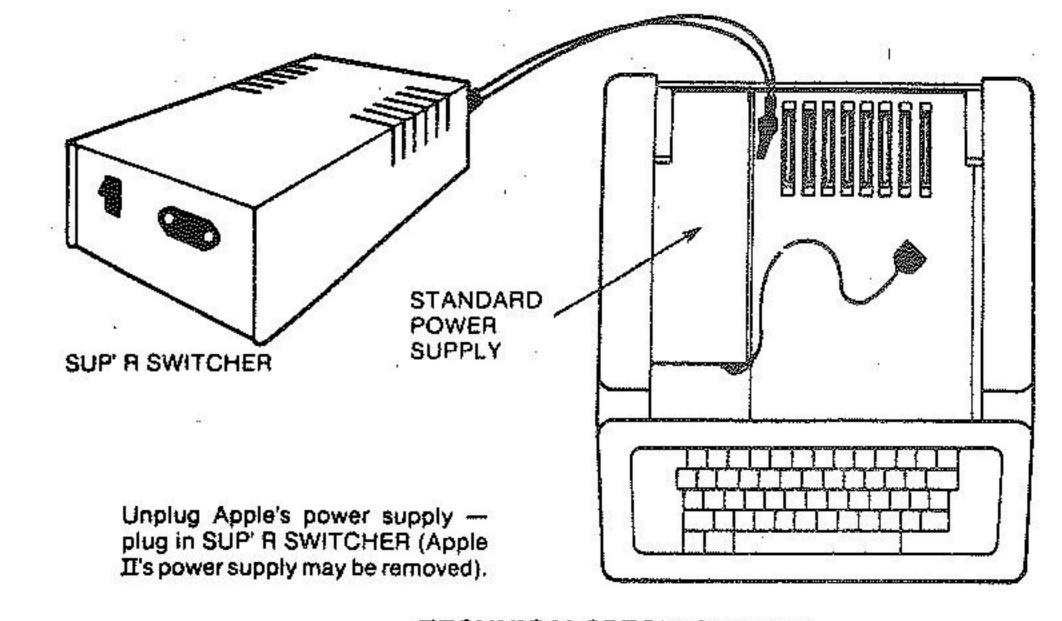


M & R ENTERPRISES 910 GEORGE STREET SANTA CLARA, CALIFORNIA 95050 APPLE II? ARE YOU USING MORE THAN FOUR PERIPHERAL SLOTS?

IS YOUR SYSTEM HANGING UNEXPECTEDLY?

In many circumstances, the standard Apple II power supply cannot handle more than about 4 peripherals, so, you may need SUP'R SWITCHER -the add-on power supply that safely expands your Apple II system.

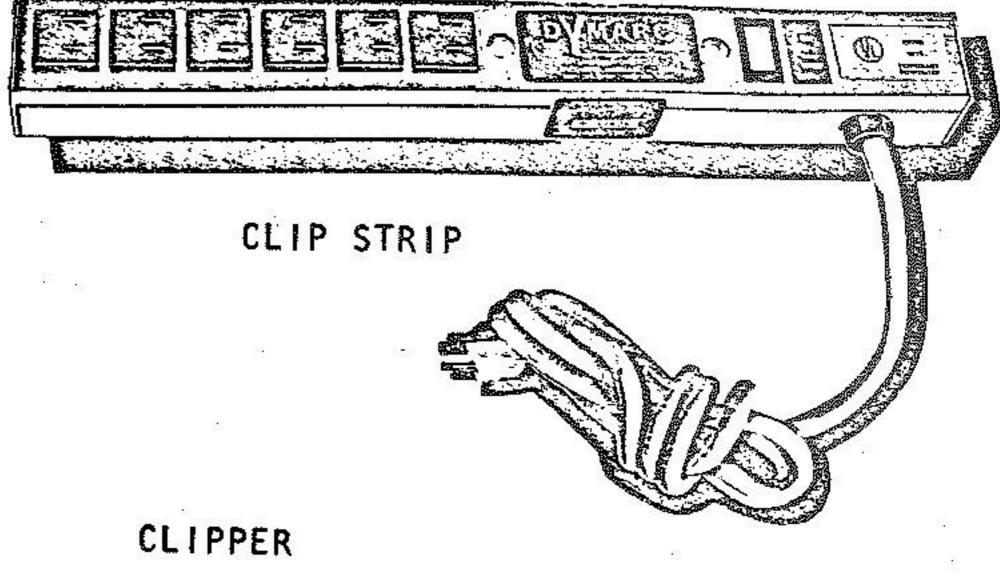
- Provides power for more peripherals — handles all eight peripheral
- Runs cool efficiency in excess of
- · Longer IC life power supply mounted outside lowers IC surface temperature
- · Light weight switching power supply - not a linear
- Overvoitage protection
- · Easy plug-in installation —



### **TECHNICAL SPECIFICATIONS**

- Input: 90 to 135 VAC/60Hz or 180 to 270 VAC/50Hz
- Output voltage current: +5V @ 6A (Exceeds Apple's standard supply by 3.5A)
- +12V @ 1A (Intermittent to 3.5A) -12V @ 1A -5V @ 1A
- Ripple: 25mv, typical
  - Full Load operating temperature:
  - 0 50 degrees C. (32 - 122 degrees F.)
  - Weight: 2.75 lbs.
  - Dimensions: 3.75" H X 9.75" D x 6.25 W

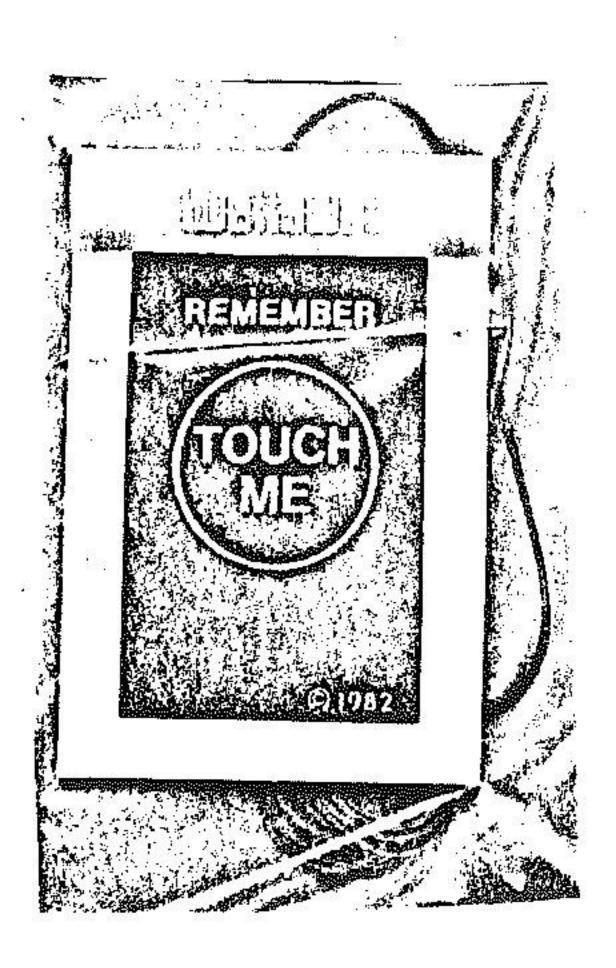
# SURGE PROTECTION

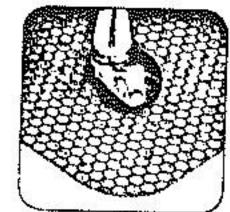


NMBR	N	ITEM	LIST	AAA

		A A COMBUTEOUADE	<b>100</b>			
		** COMPUTERWARE			A NEW CONCL	EPT IN STATIC CONT
	1424	TOUCHMAT 18 X 26"	- 82		For use with microcomputers, typewriters and cash registers,	printers, computer terminals, word process telecommunications and other electronic
	1423	TOUCHMAT 24 X 26"	89	70	SPECIFICATIO	
				20	Product	TouchMat** Static Dissipative Table M
		** COVER CRAFT	53 53		Material and Construction	Heat-laminated conductive vinyl in 3 to
	1494	STAT-PRUF MAT 18 X 24"	- 25	17		top layer, conductive film intermediate conductive foam cushioning layer.) No used in laminating process.
					Color	Computer-compatible, neutral beige
		** INTERVINYLS			Surface Texture	Smooth, pigskin grain finish
		> ALL MATS WITH 10' GROUND WIRE	•		Durability of Surface	Resistant to most chemicals and deterg petroleum solvents will dissolve the ving physical characteristics of mat.
	1915 1917	> DESIGNED FOR CARPET ANCHORSTAT MAT 36X4B ANCHORSTAT MAT 45X53	90	59	Grounding	10' grounding cord with one megohm r supplied with each mat. One and of gro snaps onto mat. The other end, with an
	1916	ANCHORSTAT MAT 45X53 LIP 30X10	124 114	B1 75		be attached to a suitable ground, such a efectrical outlet or water pipe.
833	1919	ANCHORSTAT MAT 48X60	150	97	Charge Decay Time	000 Y 500 P 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	1918	ANCHORSTAT MAT 48X60 LIP30X10	140	91	900-VENEZIO (500-004 - 500-0000)	0.05 seconds or less (charge potential 5,
	1920	ANCHORSTAT MAT 48X72	180	115	Resistance to Ground	Surface resistance of 10° to 10° ohms fro on mat,
	1921	ANCHORSTAT MAT 48X96 ANCHORSTAT RUNNER 48" X 50 FT	240 1500	154 926	Humidity Dependence	Humidity or water immersion has no sign on electrical properties. Truly static dissi- low humidity.
					Flammability	No burn rate; self-extinguishing
	82	** TENEX			Temperature Stability	40° F to 100° F operating; -30° F to 150° F
	3150 3151	GRIP-STAT CHAIR MAT 53x45 W/LIP GRIP-STAT CHAIR MAT 60x46 W/LIP	147 155	113	Cleaning	Dirt build-up may affect mat performance periodically with detergent and warm wal clean with petroleum solvents.
	3152 3153	SOF-STAT FLOOR MAT 36x60 SOF-STAT FLOOR MAT 48x72 SOF-STAT: SPECIFY BROWN OR RED!	78 124	62 97	Reminder Labels	Each mat is supplied with 12 pressure ser adhesive labels (approximately 1x1%"), "7 before touching computer or accessories.
		SAL DIVIN SICCOLD BURN DY KED;		. *************************************	Thickness	%"
		** WATTSOUT	蒙	840	Sizes and Suggested Retail Price	24" deep x 26" wide \$89 16" deep x 26" wide \$82
	3343	WATTSOUT-STATIC DISCHARGE DEVICE	10	9		
					<i>a</i>	028

# Add Shipping-CALL!





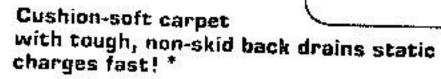
# TEMEX Grip-Stat™ Chair Mats

. .drain static charges to below sensitivity levels in 1/10th of a second!* Incredible performance! Unequalled value! Manufacturing breakthrough new offers all these features—all this security!

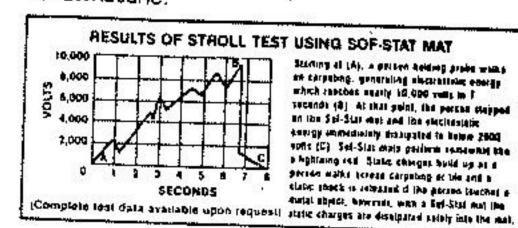
- Conductive material permanently bonded to tough vinyl base-won't wear off; not affected by aging or humidity.
- Fast-acting—regardless of humidity level!
- Exclusive GripperTM Back is budge-proof on carpets. Molded-in grippers [144/sq. ft.] interlock with carpet fibers to hold mat securely in place!
  - Crystal clear to let carpet busuty show thrut
  - Complete grounding kit includes 15* ground cord with 1 Megohm resistor.
- Durable, scuff-resistant, easy-roll surface!
- Choice of Sizes! See Pricer for details.

*For static control mat to dissipate charge, individual must wear shoes soled with leather or other conductive materials.

# Tenex: Sof-Stat™ Floor Mats



- 100% electroconductive nylon yarn tufted to specially formed non-waven fabric dissipates static charge throughout entire mat
- Flexible, tough vinyl back holds yarn in place and bonds with special skid-proof backing which resists movement on carpets and floors.
- Cuts static charges below shock levels instantly! Reduces static charge to below 2,000 volt level, the shock cut-off point for most people (see chart).
- No grounding kit required. Just place on floor!
- Perfect for low pile carpet and hard
- Designer Colors! Cranberry Red and



# TROL!

essors, electronic ic equipment.

layers (protectly ate layer and No adhesives rgents, However inyl and affect resistor is grounding cord an eyelet, must th as a grounded 5,000 volts) from any point

gnificant effect

sipative even at

*F storage aler. Do not

sensitive "TouchMat es."

# Static Electricity - am umseem saboteur.

Whether you feel it or not, static electricity is ever present and is almost constantly being transmitted from one person to another and from people to objects and vice versa. Levels of static electricity may surprise you. The human body can develop and transmit levels of static electricity in access of 20,000 volts without harm. Levels of 3,000 volts would pass completely unnoticed by humans, but cause malfunctions when transmitted to microsensitive elements of computers, word processors, and similar equipment.

A touch is all it takes to cause sudden memory loss, alteration, faulty data and other costly and time-consuming problems.

Static Electricity Levels (EXHIBIT #1)

	The state of the s
Turners Stranger	ر المراجع المر والمراجع المراجع
10,000	
5,000	Often found in uncontrolled areas.
3,000	
2,000	•
1,000	Unfelt by human body.
500	
0	Harmless level.

# Anchor-Stat prevents equipment malfunction caused by static discharge.

The operator surrenders static electricity to the Anchor-Stat the instant he or she steps onto it. (SEE EXHIBIT #2). Static electricity is reduced to a harmless level of 500 volts within 1/4 of a second. and dissipates all static within seconds.

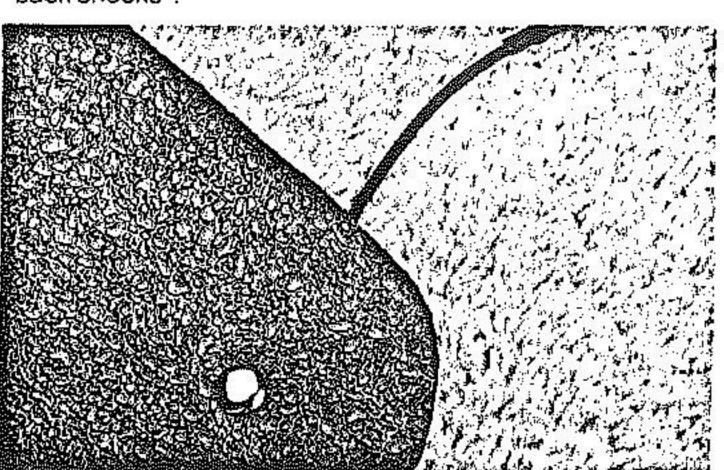
You will virtually eliminate problems caused by static discharge, with no interruption in work flow.

Toot moulto (EVI HOLT HOL

Static gen	eration				135
AATCC			88		
Voits 6,000 5,000 4,000 3,000		AAT( Anch a sta 5,600 down of 50	g the standard CC-134 test, for-Stat drained tic charge of volts (5.6KV) to a safe level 0 volts (0.5 KV) /4 of a second.		
2,000 1,000 0	167	111 (21)	74 OI a Securia.		
<u> </u>	.50 sec.	1 sec.	1.50 secs.	2 sec.	2.50 s

### Continuous Protection.

Anchor-Stat's specially designed 10 ft. ground cord continuously. drains off static electricity that is absorbed into the mat, thus eliminating "hot mats" and enhancing the overall efficiency of the mat. A built-in one (1) megohm resistor protects against "back shocks".



# Independent Laboratory Tested.

Comparative tests, conducted by an independent laboratory, prove the effectiveness of Anchor-Stat's static drawing capability. No other conductive mat out-performs Anchor-Stats in either speed or the capacity to draw harmful static charges down to safe levels that won't affect sensitive electronic equipment.

Where do you need Anchor-Stat?

Anchor-Stat belongs anywhere automated office equipment is used, especially in uncontrolled environments. Anchor-Stat is needed for:

- ☐ Computer Terminals (CRT's)
- ☐ Computer Printers
- ☐ Word Processors ☐ Small Computers
- ☐ Typesetting Machines
- Any kind of mechanical office equipment that uses friction feeding (i.e., folders and inserters), which can severely shock operators.

### One year warranty against cracking and breakage.

The conductivity of Anchor-Stat safely complies with industry standards set by the U.S. Department of Defense. Anchor-Stat mats will, under conditions of normal use, maintain static electric discharge at levels below those which can cause disturbance to electronic equipment in office environments. If the purchaser is not completely satisfied, the manufacturer's sole responsibility is limited to replacement with a like product or refund of the original purchase price at the option of Intervinyls.

# Amchors malæ it worl!!

The underside of Anchor-Stat has hundreds of tiny rigid protrusions, designed to hold the mat firmly in place on carpeted surfaces. A mat without the advantage of these anchors requires that the equipment itself be placed on the mat to stop movement, providing a potential path for static electricity to flow through the equipment. This not only defeats the purpose of a static control mat, but presents a possible safety hazard by circumventing the resistor in the ground cord.

# Easy installation.

Anchor-Stat lies flat and the ground cord is easily fastened to any point of ground.

Advantages of vinyl.

Anchor-Stat is constructed of a highly conductive material and tough, durable vinyl that provides these advantages:

☐ Operator won't trip because the mat lies flat, won't curl or "dish"

☐ Textured finish hides scuff marks and provides a longer lasting "new" look, while facilitating controlled movement of castered chairs.

Sizes to fit your needs.

Anchor-Stat is available in a wide range of sizes. There's one to fit your particular need, large or small. Thickness is .155 gauge vinyl; available without anchors for non-carpeted surfaces.



# HOME OFFICE

NMBR N ITEM LIST AAA\$

# TURNTABLES

NMBR N ITEM

LIST AAA\$

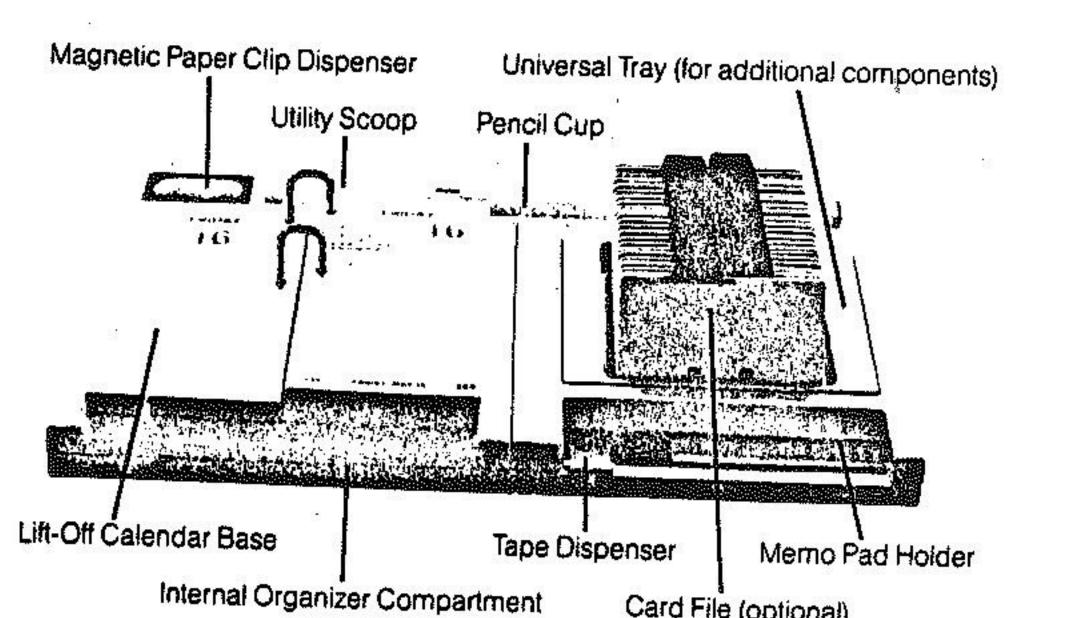
FURNITURE

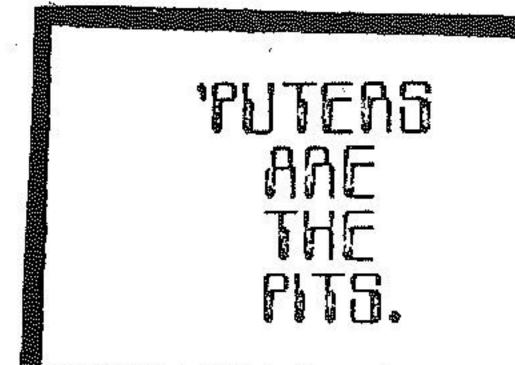
	Q <u>44</u> 00 - 40000000000000000000000000000000
44	TENEX
377.37	LAIL

		- <u></u>	
1155	COMPAXX CARD FILE	- 15	13
154	COMPAXX DESK ORGANIZER		920,198
156	DECK ODDAMATE	35	28
110	DESK ORGANIZER W/CARD FILE	50	39

** RING KING VISIBLES

TURNTABLE 16x20x1 WALNUT TT1620 TURNTABLE 22x26x1 WALNUT TT2226





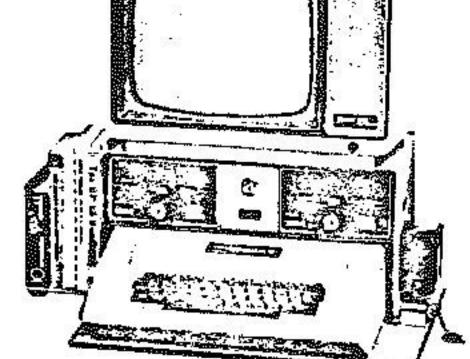
# Add Shipping-See Pg 73 COOL STACK FOR THE APPLE II – Ile

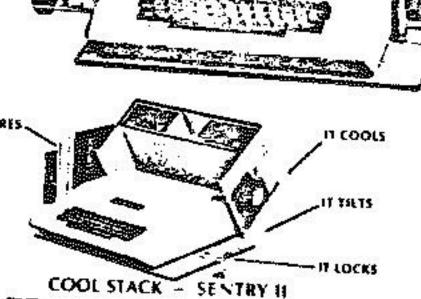
# DESKTOP CABINETS

** DOSS INDUSTRIES

	********************			
1631	APPLECENTER 10 CABINET W/LOCK	180	174	
1632	APPLECENTER 105-CABINET ONLY	34		
1630	APPLECENTED to BORTHER DALT	170	165	
1000	APPLECENTER 12 CABINET-FAN & LOK	240	221	
	** FMJ			
1783	COOL STACK-CABINET	50	39	
1782	COOL STACK-CABINET & FAN			
1787	BIOULOU man	86	63	
1785		18	16	
	FAN KIT	36	33	
1786	LIBRARY RACK-SPECIFY SII OR CS	7	7	
1784	POWER SENTRY-4 SOCKETS/LOK/SW	375		
1780	SENTRY II-CABINET	70	67	
1781		139	114	
	SENTRY II-CABINET & FAN	175	140	
1779	SENTRY II-CABINET/FAN/PWR/LOKS	268	218	-

** TRACE SYSTEMS CABLE SECURITY KIT DISK II SECURITY KIT EXTENDER CABLE FOR DISK II STATION II 129 114 ** RGB DESIGNS 



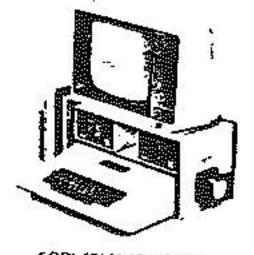


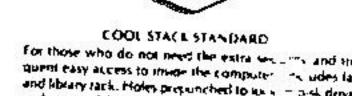
the computer. The disk drives are also easily lastene 1262 ly to the middle shelf of the COOL STACK utilizing holes in the bottom of the drives. An adhesion plate 1261 ally attached to a table top with adhesis es provide quality lock easily snaps in place to secure the est The Sentry II can be easily attached or removed adhesion plate only when the system is unlocked IT COOLS The cooling effectiveness of the COOL STACK is to overheating usually resulting from added function 1308 in the Apple II computer. The COOL STACK greatly the life and reliability of the computer and periph Fresh air is forced into the computer and blows components through a foam enclosure surrounding 131( slot area. The hot air is forced out through the on the opposite side, the back and bottom of the and the keyboard. A high quality low noise fan is was engineered and tested to get the job done

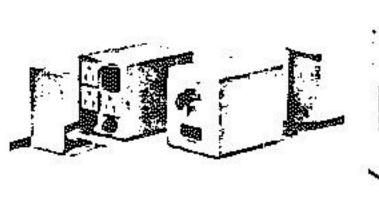
The COOL STACK can be eas. In tilted away from the Apple II computer allowing easy access to the inside of the comp

IT STORES

Another much enjoyed feature of COOL STACK is the efficient and attractive organization it offers for the typical Apple Either one or two disk drives can be stored on the shelf. The COOt, STACK, being constructed of 16 gauge steel, also shield between the monitor and the disk drives, thus helping protect disks from being erased or interrupted by monitor An adjustable library rack provides convenient storage for manuals and disks.







for those who do not need the estra we _____ and ste_ discussion to the computer of uses tan a keylock switch. Separate rocker switch to RE-BOOT ing with the APPLE DISA II drive. DISKLOK prevents unauthorized acceptance of the prevents unauthorized acceptance. and library rack. Holes prepunched to us a - 3-sk driven the Apple. Includes security bracket to prevent removal on the disk drive alone or with the Cool St of plugs deterring theft of monitor and printer.

so the disk done since or with the Cool 20 1412 movable in both the locked and unlocked

	MMBR N	:[TEN			
010100					į
SIBLES		** FURNITURE DIMENSIONS			9
x1 WALNUT TT1620 43 2 x1 WALNUT TT2226 53		ARE EXPRESSED AS W x D x H			
		** AMARO DESIGNS			
	1076 1077 1072	> SPECIFY GLIDES OR CASTERS > SPECIFY DAK OR WALNUT PRINTER STAND 24x24 PRINTER STAND-UNFINISHED 24x24 WORK STATION 24x36, ADJ HEIGHT	13E	78 61 269	
<b>₹</b>	073 075	WORK STATION 24x45, ADJ HEIGHT WORK STATION-UNFINISHED 24x36 WORK STATION-UNFINISHED 24x45 ** ANADEX		294 244 258	
a che					
	1126	PRINTER STAND FOR 9500 SERIES	150	160	
•		** ATLANTIC CABINET	<del>6</del> 8	Œ	
		BI LEVEL BL30	195	119	
		BI LEVEL TOP BLT PERSONAL COMPUTER DESK PCD38	30 165	19 102	
A		PERSONAL COMPUTER DESK PCD50	190	116	
See Pg 73	1257	PRINTER STAND HP30	220	134	
		PRINTER STAND PS21 ROLL A DRAWER RAD	150 295	93 180	
		ROLL A STORE RAS	230	140	
	1249	SPLIT LEVEL SL50	290	177	
The COOL STACK Sentry II offers the featurese cooling, easy tilt action access, and efficient on	1258	STORAGE STAND SS	70	44	
and storage for the APPLE if computer system, all in pact unit. The precision all steel construction is for optimum strength and durability. An attraction	1248	TILTING TABLE TOPPER TT22	37 150	24 93	
finish is color matched to the Apple II. Fast simple		UNI LEVEL UL30 UNI LEVEL UL50	220	134	3
""aldidion saves you time and many.		WORD PROCESSING STAND WPS	120	75	
The Apple II computer is earth, face and an in-	1254	EXTENSION EX28	1 0.0	63	
plate utilizing existing holes in the Apple mainframe eliminating any modification or permanent attack the computer. The disk drives are also easily fastere by to the middle shots of the computer.		CHD CASTER SET C4	50	32	
holes in the bottom of the drives. An adhesion plate ally attached to a table top with adhesis es provide quality lock easily snaps in place to desire the	1261	PAPER CASSETTE STORE PCS WIRE PRINTER BASKET WPB	10 30	9 19	
The Sentry II can be easily attached or removed adhesion plate only when the system is unlocked		** BUSH			
The cooling effectiveness of the COOL STACK is a					
in the Apple II computer. The COOL STACK provides		DESK 28Hx45Wx29D CT130	240	150	
tion hoards.		HUTCH 33Hx45Wx11D CT131 PERSONAL COMPUTER CENTER CT101	150	90	
Fresh air is forced into the computer and blows components through a foam enclosure surrounding slot area. The hot air is forced out through the continuous the opposite side, the back and bottom of the land the keyboard. A high quality low noise fan is was engineered and tested to get the job done et al.		ROLL ABOUT TABLE 28Hx 28Wx 19D	130 130	94 78	÷
puler allowing easy access to the inside of the compa	1	** COMPUTER ACCESSORY			
attractive organization it offers for the typical Apple STACK, being constructed of 16 gauge steel, also disks from being erased or interrupted by monitors and disks.	1409	BASIC SYSTEM - WALNUT ONLY MONITOR SHELF RIZ4 22.5x12x9	<b>35</b>	28	

MONITOR SHELF RZ24X 22.5x12x13

MONITOR SHELF RZ36X 34.5x12x13

MONITOR SHELF RZ48X 46.5x12x13

MONITOR SHELF RZ60X 58.5x12x13

MONITOR SHELF RI36 34.5x12x9

MONITOR SHELF RI48 46.5x12x9

MONITOR SHELF RZ60 58.5x12x9

PRINTER STAND SF100 24x12x24

WORK STATION CS36 36x24x26.5

WORK STATION CS48 48x24x26.5

WORK STATION CS60 60x24x26.5

PRINTER STAND UV18 24x18x25

\$8				<b>6</b> 33
		> HI-TECH SYSTEM		
		> SPECIFY OAK, WALNUT OR PUTTY		
	1340	CRT TABLE HT2426 26x24x26.5	220	169
	1341	CRT TABLE HT2434 34x24x26.5	230	177
	1342	CRT TABLE HT2442 42x24x26.5	240	185
	1343	CRT TABLE HT2450 50x24x26.5	260	200
	1344	CRT TABLE HT3042 42x30x26.5	270	208
	1345	CRT TABLE HT3050 50x30x26.5	285	219
			300	231
	1346	CRT TABLE HT3060 60x30x26.5		
	1334	PRINTER STAND HT12 26x12x26.5	170	131
	1337		225	
	1335	PRINTER STAND HT18 26x10x26.5	220	169
	1338	PRINTER STAND HT188C 26x18x26.5	285	219
	1336	PRINTER STAND HT24 26x24x26.5	240	185
	1339	PRINTER STAND HT24BC 26x24x26.5	315	242
	1347	WORK STATION HT1034 34x24x26.5	285	219
		WORK STATION HT1042 42x24x26.5	300	231
	1378			
	1379	WORK STATION HT1050 50x24x26.5	325	250
	1380	WORK STATION HT1060 60x24x26.5	350	263
	1381	^ELECTRONIC BAY HTEB 20.75×8H	50	40
	1382	^PLEXIGLAS DOOR HTPL 20x7.5H	30	24
		The Department of the property of the contract	Ā	
		155*	20	
		** COMPUTER ACCESSORY		
		***************************************		
	20	> DAK SYSTEM		
	1707	MONITOR SHELF MS26 26x12x9	70	55
88	1392		70	
	1397	MONITOR SHELF MS26X 26x12x13	75	59
	1393	MONITOR SHELF MS34 34x12x9	80	63
	1398	MONITOR SHELF MS34X 34x12x13	85	67
	1394	MONITOR SHELF MS42 42x12x9	90	71
	1399	MONITOR SHELF MS42X 42x12x13	95	75
	1395	MONITOR SHELF MS50 50x12x9	100	7B
	1400	MONITOR SHELF MS50X 50x12x13	110	86
	1396	MONITOR SHELF MS60 60x12x9	110	86
22	1401		120	94
		MONITOR SHELF MS60X 60x12x13		
	1383	PRINTER STAND AD12 26x12x26.5	190	146
	1385	PRINTER STAND A0128C 26x12x26.5	255	196
	1384	PRINTER STAND A018 26x18x26.5	250	192
	1386	PRINTER STAND ADIBBC 26x18x26.5	315	242
	1387	WORK STATION A026 26x27x26.5	240	185
	1388	WORK STATION A034 34x27x26.5	270	208
	1389	WORK STATION A042 42x27x26.5	320	246
	1390	WORK STATION A050 50x27x26.5		
	1391		340	270
	1402	WORK STATION AD60 60x27x26.5	400	300
	_	^ELECTRONICS BAY AGEB 20.75x8H	75	59
	1403	^STATION RETURN ADRT 30x12x24	170	131
		80 80	52	
		20*		
		** KEENE PRODUCTS		
		> SPECIFY WALNUT OR OAK		
	1980	COMPUTERMATE LO146 37.75x51x31	199	175
	1979	COMPUTERMATE LD14x 49.75x51x31	209	179
	1981	PRINTER STAND 24x30x27	119	98
92				
	1982	PRINTER STAND W/BASKET	149	128
	1984	PRINTER STAND W/BASKET & SLOT	150	128

PRINTER STAND W/SLOTTED TOP

** COMPUTER ACCESSORY

APPLE ORGANIZER

# FURNITURE

NMBI	R N ITEM	LIST AA	A\$ NMAR	R N ITEM				LIST	AAA#	PX	engumenta akan	DLE
				· · · · · · · · · · · · · · · · · · ·	LIST A	ANNBR 1	TEM 			IN	MBR N	11 67
	** LIT-NING PRODUCTS		135 20	** WALKER	×		ADVANCED BUSINESS TECHNOLOGY				2	** SOUT
2026 2032 2033 2027	PRINTER STATION 4206 24x30x26.5	5 210 16	B 3337	DISK BOX SMALL DBO4	- 58 45	1047	BARWAND-DIGITAL BARWAND-HIRES BARWAND-SPARE TIP	195 290 9	172 249 7	24	923	PADDLE
2028 2029 2030 2034	SHELF 36" 4322 SHELF 48" 4323 SHELF 60" 4324 ^CASTER KIT	70 5 75 5 85 6 95 7	7 3334	MICRO STAND 3 TIER CS03			** APPLE COMPUTER				140	** TECH PARADIS
2031	^STORAGE BIN 4325 19x20x10.75	30 24 55 44		THE PART OF PART	40	3 1145	APPLE PADDLES-ORIGINAL TYPE	30	12	925000 92500		ADAM & !
	** MANNESMANN TALLY	<b>1</b> 83	25	** WALSH & SIMMONS			** COMPUTECHNIQUES				,	** TG P!
2062	STAND W/OUTPUT STACKER	125 115	3317	> SPECIFY WALNUT, OAK OR BIRCH DESK CT24 25x24x27	92	, 141B	ARCADE-DAPTER W/AUTO REPEAT	42	. 39	31		JOYSTIC
	** O'SULLIVAN INDUSTRIES		3318 3319 3321	DESK CT36 37x24x27 DESK CT50 51x24x27 DESK M/SHELE CT34C DE D	108 132	76 86						SELECTAI Paddles
2293 2301	HOME COMPUTER TABLE CT707 PRINTER STAND CT712	130 91	3322 3323	DESK W/SHELF CT24S 25x26x27 DESK W/SHELF CT36S 37x26x27 DESK W/SHELF CT50S 51x26x27	123 g 143 g 172 in	ij P	** H&L ELECTRONICS		22.5555			TRACKBAI
2303 2294	PRINTER STAND CT722 PRO COMPUTER TABLE CT709	170 108 170 108 165 112	3324 3325 3326	DOUBLE TOP SHELF S224 23.5x10 DOUBLE TOP SHELF 5236 35.5x10	64 70	1800	GAME I/O EXTENDER	30	26			** TKC
2295 2296 2302	WORKCENTER CT710 WORKCENTER CT711 WORKCENTER CT721	140 88 150 97	3320 3328	DOUBLE TOP SHELF \$250 49.5x10 PRINTER STAND CP24 25x24x27 UNDERSHELF US24 23.5x10	91 5 99 6		** HAYES PRODUCTS	<b>1</b> %		31		JOYSTIC
2300 2298 2305	^CORNER ADAPTER 45 DEG CT715 ^CORNER ADAPTER 45 DEG CT726	170 108 35 23 40 27 36 27	3329 3330 3327	UNDERSHELF US36 35.5x10 UNDERSHELF US50 49.5x10 UFRIGHT SIDE SHELF SS1 13x12	45 3 50 3 56 3 52 3	1829 1830	MACH II JOYSTICK MACH III JOYSTICK	40 50	32 40	31	B3 !	PADDLES
2297 2304 2307	^CORNER ADAPTER 90 DEG CT713 ^CORNER ADAPTER 90 DEG CT723 ^MONITOR PLATFORM CT725	50 33 45 33		** WALSH & SIMMONS			** KRAFT SYSTEMS			į (		** VERSA
2306 1112	^STORAGE MODULE CT714  ^STORAGE MODULE CT725  ^STORAGE MODULE CT724 19x21x13  ^STORAGE MODULE W/DRAWER CT727	25 16 30 19 35 23 33 24 48 35	3332 3331	> SPECIFY WALNUT, OAK OR BIRCH APARTMENT DESK WS24 25.5x14x27 DESK W/SHELVES TR33 33x24x28.75	165 104 132 86	1989 1990	JOYSTICK PADDLES	65 50	48 37	32 32	49 E	EZ PORT
	** RING KING VISIBLES	48 35					** PFENYAN KAPPA INTERNATIONAL			¥8		** WICO
	> ALL NEUTRAL BEIGE BASE STATION D3024 x 26.5	170 100	201 201			2522	KEY PADDLE		53	33	76 A	ANALOG J
2738 2739	BASE STATION D3630 x 26.5 BASE STATION D4380 x 26.5	170 109 195 125 240 154		Bu						. 33 33 33	72 0	APPLE MO COMPUTER EXT CORD
2741	BASE STATION D4024 x 26.5 BASE STATION D4030 x 29.5 BASE STATION D6030 x 26.5	210 135 2 255 163					** SAMSON			33 33	75 E	XT CORD
2742 2747	BASE STATION D6030 x 29.5 MOBILE CABINET D1618MC x 23 MOBILE PEDESTAL D1618MP x 23	265 170 280 179 169 108				2771	JOYSTICK	20	24	33° 33° 33°	71 J	IDYSTICK IDYSTICK IDYSTICK
2744 2745	PRINTER STAND D3024P x 26.5 PRINTER STAND D3630P x 26.5	249 160 180 115 205 131						*	68	331	73 A	APPLE TR
2743 2756	STAND UP D3630S x 38.5 TURNTABLE D2016TT 20x16x1	220 141 40 27					** SCOOTER/OHM ELECTRONICS	37	59		ie:	
2760 2755	TURNTABLE D2420TT 24x20x1 ^CASTERS-DATA RACH D4CAST ^CENTER DRAWER ADD ON	50 33 20 14 56 31	K	EENE		2811	ZERO FORCE X-PORT 1 WAY	.20	17			
2761	^DATA CATCHER D1612DC ^DATA HANGER-DATA RACK D16HS	25 17 4 4	19. 20.			7000	** SIRIUS SOFTWARE					11'5
2759	`DATA RACK ADD ON D33618A `DATA RACK D3618B `DATA TRANSPORT D1614DT	110 72 150 97 90 59	Only cold	r photos properly show off			JOYPORT	50	40		80	Mo
2752 / 2753 ^	STATION CONNECTOR D3024ACL STATION CONNECTOR D3024ACR	90 59 70 47 70 47	in a furn	When you become interes	ted -							
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2748 ^	STATION CONNECTOR D3030AC STEP DOWN	70 47 70 47	130	Tie at the state of the state o				932 932		8 N		

# PADDLES & JOYSTICKS

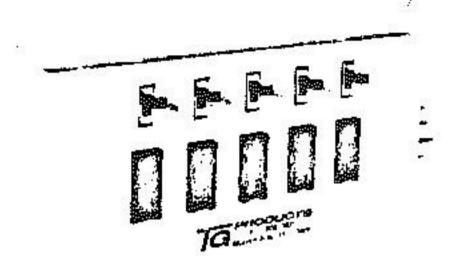
NMBR	N ITEM	LIST	<b>AAA</b> \$
24	** SOUTHERN CALIFORNIA RESEARCH		
2923	PADDLE ADAPPLE 2 WAY	30	28
×			
	** TECH DESIGNS		
3140	PARADISE PORT	40	26
3139	ADAM & EVE JOYSTICK	60	44
3138	ADAM & EVE PADDLES	40	29
	** TG PRODUCTS		×3
3166	JOYSTICK	60	43
3168	SELECTAPORT-5 WAY	60	43
3165	PADDLES	40	29
3167	TRACKBALL	<b>გ</b> ე	52
		196	
	** TKC	8	
3182	JOYSTICK II	50	51
3183	PADDLES	30	32
		2	
	** VERSA COMPUTING	9%	
3249	EZ PORT	25	20
3250	EZ PORT II	35	28
99			
25	** WICO	<i>18</i> 6	
3376	ANALOG JOYSTICK	70	55
3377	APPLE MOUSE	180	138
3372 3374	COMPUTER ADAPTER 724525 EXT CORD 12' 151756	22 B	18 10
3375	EXT CORD 6' 151755	5	6
3370 3378	JOYSTICK 159714 (REQ JA) JOYSTICK DELUXE 3 WAY 502010	30 60	24 48
3371 3379	JOYSTICK FAMOUS 159730 (REQ JA) JOYSTICK POWER GRIP 502020	35 37	27
3373	APPLE TRACKBALL 724521	90	30 71
	80 15.55.5		T(S) 182
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			20

lt's all Magic.

# PADDLES & JOYSTICKS

# SELECT-A-PORT

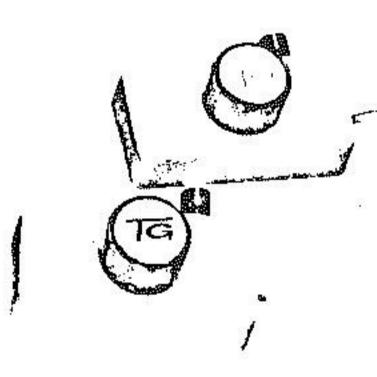
Provides switch selectable sockets to extend the flexibility of the APPLE's game port.



- Plugs directly into the game socket
- Attractive case matches the color and texture of the Apple May hang conveniently on either side of the Apple or set flat on non-skid rubber feet
- e 3 switch selectable sockets isolated by diodes to insure against device to device interference
- 1 switch selectable socket which automatically modifies the Joystick or paddles to operate as the second unit in dual Joystick games or four game paddle games
- Socket with no isolation for those special highly sensitive

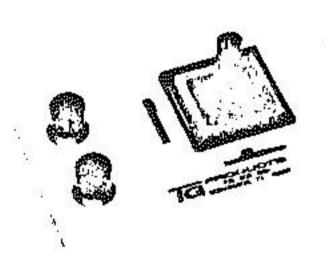


- e Large pushbuttons
- · Highest industrial quality components throughout
- Fits conveniently in the hand
- B Extra long 60 inch cords



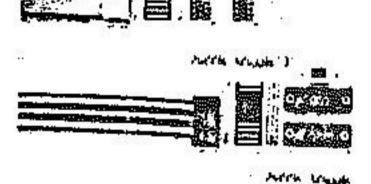
# GAME CONTROLLERS

- External trim adjustments to perfectly match the unit to your application and computer
- Self-centering on both axes (may be disabled)
- Two large pushbuttons
- Highest industrial quality components throughout
- Completely linear pure resistive circuit



JOYSTICK

# - Paddle-Adapple -I/O expansion adaptor For Apple ] [, ] [+, //e and Frankiin.

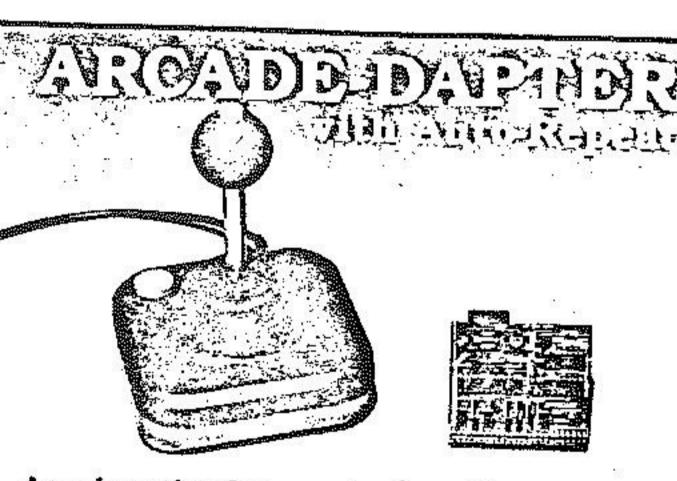




- The Paddle-Adapple has two 16 pin sockets.
- . The Paddle-Adapple "O" works with the subministure D
- . The Paddle-Adappte Combo has one 16 pin socket and one subministure D connector.
- · Works with all Apple compatible joysticks, paddles and other I/O devices. . Select one of two devices or . . .
- Use 4 paddles simultaneously.
- Unique "Jumpers" socket allows you to configure to meet your needs.
- BPI* users can have BPI* device and paddles plugged in simultaneously. (Paddle-Adapple and Paddle-Adapple Combo only).
- . Gives you four push-button inputs.
- Supports shift key modification.
- Exchange X & Y joystick axis.
- · Small and compect adheres to computer with supplied foam tape.
- All Strobes, annunciators and power available on all 16 pin connectors.
- Supplied with 18" cable.

All three versions of the Paddis-Adapple plug into the Interior game I/O and all designed to operate in two modes. In the first, it allows you to select between one of two devices, i.e., between paddle and joystick. They are chosen by the flip of a switch. In the second mode, the Paddle-Adapple takes advantage of the Apple's ability to handle up to four game controllers. The device plugged into socket A is treated as controllers 0 and 1. The other device is 2 and 3. In either mode the Paddle-Adapple can be configured to meet specific needs, such as exchanging X and Y axis, reassigning push button numbers, etc. It also allows the ability to have both devices run simultaneously. The Paddle-Adapple allows you to have the 4th push button.

\$29.95



Arcade action for your keyboard input games! * Now you can use the new arcade quality Alari* compatible joysticks with your Apple* II computer! (WICO* Command Control* pictured above.)

- No software drivers required. Works with all Apple² II games which use slandard or user-definable keyboard formats. (Not just a select few games, as with other
- Lightning-fast response as opposed to the sluggish play experienced with resistance type joysticks (which plug into the game I/O port).
- Incredible action with such games as Taxman' (trademark HAL Labs). Frogger' (trademark Sega Enterprises, Inc.). Apple Panic' (trademark Broderbund Software), and Gorgon' (trademark Sirius Software, Inc.)
- · Auto-repeat function, using either the joystick or keyboard.
- For REV. 4 and newer Apple[®] II and II Plus computers.

 Satisfaction guaranteed or your money back. Arcade-dapter * ..... \$41.95

Check, money order, VISA or MasterCard (provide card number, expiration date and sagnature). Shipping/handling included (U.S. only). Only residents add 5% sales lax. Alarr is a trademark of Alari, Inc. Apple to a trademark of Apple Computer Inc. WICO and Command Control " are Irademarks of WICO Corp.

# COMPUTECHNIQUES

P.O. Box 245 • Fairfield, OH 45014 • Phone: (513) 829-5052 (24 Hours)

# A/D LAB CARDS

129 116

120 108

299 261

44 41

545

** APPLIED ENGINEERING

A/D CONVERTER 7470-01

** INTERACTIVE STRUCTURES

ANALOG INPUT SYSTEM AIO2

ANALOG INPUT SYSTEM AI13

ANALOG DUTPUT SYSTEM A003

ISOLATED DIGITAL INTFACE UI16

** MOUNTAIN COMPUTER SYSTEMS

A/D+D/A - NO CABLE

CABLES 3' AD/DA

CABLE 6' CPS TO DB25P

CABLE 6' CPS TO DB25S

SIGNAL CONDITIONER SYSTEM SC14

** TECMAR PERSONAL COMPUTER PROD

STEPPER MOTOR CONTROLLER TMST100

A/D BOARD W/TIMER TM-AD213

A/D CONVERTER BOARD TM-AD211

D/A COMPANION BOARD TM-DA103

D/A CONVERTER BOARD TM-DAIOL

DIGITAL 1/0 INTFACE DIO9

High Grade Electronic Components

be with you!

LIAL CARLE

Let the

Ø-Force

PLUGS INTO COMPUTER GAME PORT

PRESSURE SENSITIVE BACKING FOR EASY

HIGH QUALITY

Ø-FORCE 16-PIN

socket.

backing.

components.

Extends game port outside

computer with 3-foot cable.

Prolongs life of game acces-

sories with Ø-Force insertion

Mounts anywhere in seconds

Offers better performance and

with pressure sensitive

reliability with high grade

A/D B BIT/CHANNEL SYSTEM

** CALIFORNIA COMPUTER SYSTEMS

COPY CARDS ** DARKSTAR SYSTEMS SNAPSHOT COPY CARD 130 101 ** EASTSIDE SOFTWARE WILDCARD COPY CARD 140 112 ** PIRATES HARBOR CRACK-SHOT COPY CARD 150 144

# MUSIC CARDS

			- Cap
	** APPLIED ENGINEERING		
1150	MUSIC SYNTHESIZER CARD	159	143
類	** MOUNTAIN COMPUTER SYSTEMS		
2154	MUSIC SYSTEM W/DISK	395	306
<b>X</b> 3	** PASSPORT DESIGN		
2397	> ALSO SEE SOFTWARE SECTION DIGITAL KEYBOARD FOR MUSIC SYS	795	686
	40 m		

# SLOT EXTENDERS

	** CALIFORNIA COMPUTER SYSTEMS		18
1318	EXTENDER BOARD 7520-A	29	24
	** LEGEND SYSTEMS		
2011 2012 2013	SLOT B CARD SLOT B EXTERNAL SWITCH SOFT B CARD	65 35 85	59 32 68
2922 2920	** SOUTHERN CALIFORNIA RESEARCH EXTEND A SLOT SWITCH A SLOT EXTENDER CARD	35 180	33 161

# CPU CARDS

895 718

595 483

** METAMORPHIC SYSTEMS	
2077 CP/M-86 OPERATING SYSTEM	225 202
2076 METACARD 128K	1150 970
2075 METACARD 64K	980 837
2088 METACARD DATA TRNF KIT 1	00A 45 42
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2512 IBM 8088 CARD & APPLI-CA	RD 4 795 63B

IBM 8088 CARD & APPLI-CARD 6

IBM 8088 CARD W/MSDOS-MBASIC

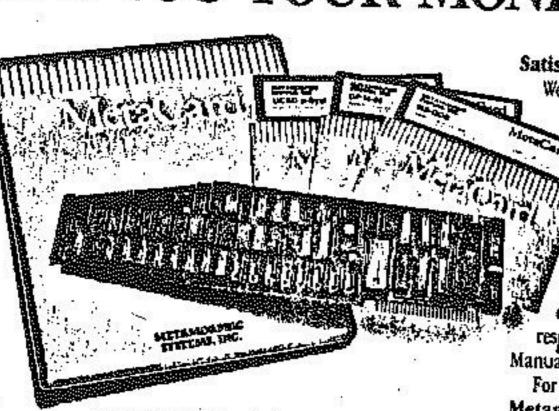
46

# IF MetaCard DOESN'T IMPROVE YOUR WORKING CONDITIONS WE'LL GIVE YOU YOUR MONEY BACK.

It's almost three in the morning You knew just one more line of code and your program would be finished That was seven hours ago. It's hard work developing good software. Writing It on the Apple II is no exception, Although we can't promise to get you to bed by eleven o'clock, we can make your job a lot easier.

When we developed MetaCard, a co-processor system for the Apple II, we designed in 128K bytes of on-board memory with parity. Enough memory to run the most powerful development tools available. We included memory expansion capabilities beyond 128K.

And we made sure it could run all three operating systems for the IBM PC. MetaCard does more than make your job easier, it opens up new development areas. If you want to create or run more powerful applications software for the Apple, or for the IBM PC or other 8086/88-based systems, you should have a MetaCard in your Apple. MetaCard supports the most popular development languages available for MS-DOS, CP/M-86 and UCSD p-System Version IV. Languages like Pascal, C. COBOL



FORTRAN, BASIC and almost all others operate at peak performance. MetaCard enables you to continue to use most of the popular peripherals for your Apple II, plus all of your existing software. And with many best selling applications for the IBM PC available soon, you

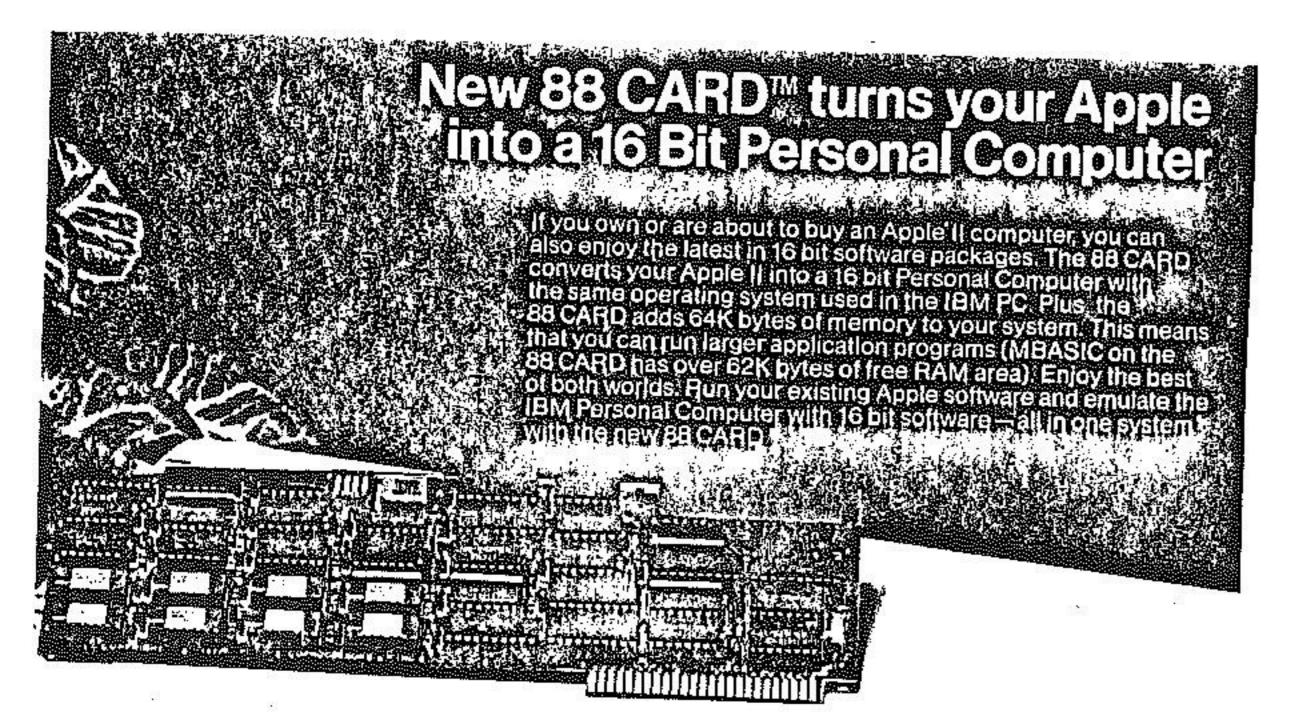
can use your Apple in new and developing areas. MetaCard uses the Intel 8088 processor and operates at a full 5 Mhz. And MetaCard's real-time clock, external power supply, parity checking RAM, and power-up ROM diagnostics give you the features and reliability you demand.

Satisfaction Guaranteed We know you'll still work through the night But if MetaCard doesn't improve your working conditions, return it within 30 days, and we'll send your money back. No questions asked, MetaCard, complete with documentation, MS-DOS and UCSD p-System (CP/M-86 optional) and power supply, is available in both 64 and 128K

configurations, priced at \$980 and \$1,150 respectively. The MetaCard System Operating Manual is available for only \$25. For more information write us today, Metamorphic Systems, Inc., 8950 Villa La Jolla Drive, Suite 1200, La Jolla, CA 92037.

Or call us today to order yours at 800/228-8088 In California call 619/457-3870.

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my computer



# -SWITCH-A-SLOT-FOR APPLE ][, ][+, //e, ///, and FRANKLIN

The SWITCH-A-SLOT is an expansion chassis, which 345 allows the user to plug in up to four peripheral cards at one time. One of these cards is selected for use, and only that card draws power.

This product is especially useful where the software requires the printer to be in a particular slot, and the user wishes to choose between two or more printers.

- Allows up to four peripheral cards to be plugged into one peripheral slot.
- User selects desired card by front panel rotary switch.
- Only selected card draws power.
- Plugs into any peripheral slot.
- · Saves wear and tear on delicate connectors.
- 18" cable connects Switch-a-slot to computer. Works with most peripheral cards.

# SPECIFICATIONS:

- Power consumption; 5 ma from -5v supply (for L.E.D.)
- Switched lines, ± 5 and ± 12 volts.
- Data, signal, and address lines are unbuffered.
- . Size: 6¼" W x 4¼" H x 10" D.
- Chassis is made from heavy duty .062 afuminum. Accommodates cards up to 9%" long.
- All connectors gold plated.

SOUTHERN CALIFORNIA RESEARCH GROUP

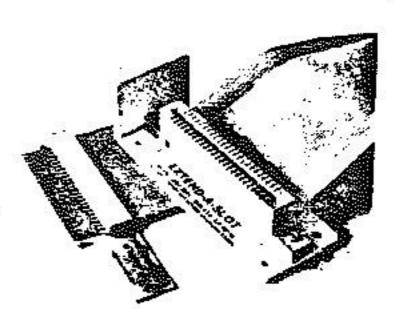
Post Office Box 2231 Goleta, CA 93118 (805) 685-1931

# -EXTEND-A-SLOT----

FOR APPLE ][, ][+, //e and ///

The EXTEND-A-SLOT brings a slot outside your APPLE", allowing an easy change of cards. The 18" flex cable is long enough to allow placement of the card in a convenient location. The high quality connectors are gold plated for reliability.

The EXTEND-A-SLOT works well with all slow to medium speed cards, such as Modems, Printers, Clock, Music, etc. It is not recommended for high speed data transfer devices such as disk drive controller cards.



# EXTEND-A-SLOT

The perfect accessory for:

Owners of large numbers of I/O expansion cards keep your frequently used cards installed. Use the EXTEND-A-SLOT for the others.

1603

1604

1605

2039

2040

Technicians—easy access to test points on accessory cards under actual operating conditions.

Experimenters-make easy changes to cards while card is installed.

EASY TO USE-just plug it in as you would any expansion card, then plug your card in. When you want to change cards, do it easily outside the computer, without the wear and tear on the computer expansion slot.

# CP/M CARDS

### 80 COLUMN CARDS ** MICROTEK ** ADVANCED LOGIC SYSTEMS MAGNUM 80 COLUMN CARD Q-PAC, MAG80/Q-DISC/V-E-EXPAND CP/M CARD, 64K & CP/M 3.0 VIZ-E-EXPAND 80 SMARTERM I BO COLUMN CARD VIZ-E-EXPAND SOFTWARE SYNERGIZER-ZCARD/SMARTERM/ADDRAM. VIZ-E-PAC, M80/BAM128/V-E-EXPAND 1 CARD II ** MICROMAX SYSTEMS ** APPLIED ENGINEERING VIEWMAX BO COLUMN CARD 780 PLUS-CP/M CARD VISICALC/APPLEWRITER II PATCH ** COMPUTER DATA SYSTEMS ** STB U-280 CARD ONLY 195 122 APPLE WRITER PATCH/STB BO COL DOS TOOL KIT PATCH/STB 80 COL STB 80 COLUMN CARD ** DIGITEK INTERNATIONAL SUPER/TEXT II PATCH/STB 80 COL

185 178

695 513

350 267

195 175

295 258

# ** VIDEX

3276	APPLEWRITER II PREBOOT/VIDEOTERM	19	
3285	SOFTSWITCH 50 Hz FOR VIDEOTERM	35	
3257	SOFTSWITCH FOR VIDEOTERM	35	
3258	SWITCHPLATE FOR VIDEOTERM	19	
3279	ULTRATERM 120 COLUMN CARD	379	
3288	ULTRATERM FIRMWARE	29	
3289	ULTRATERM MANUAL	19	
3290	ULTRATERM STANDARD ROM	29	
3281	ULTRATERM UTILITIES DISK	10	
3287	VIDEOTERM & SOFTSWITCH 50Hz	309	
3254	VIDEOTERM BO COLUMN CARD	279	2
3255	VIDEOTERM 80 COLUMN CARD 50 Hz	279	
3278	VIDEOTERM UTILITY DISK	37	
3274	VIDEOTERM-7X12 LARGE CHAR ROM	29	
3259	VIDEOTERM-APL ROM	29	
3260	VIDEOTERM-ASCII STANDARD ROM	29	
3261	VIDEOTERM-FRENCH ROM	29	
3262	VIDEOTERM-GERMAN ROM	29	
3273	VIDEOTERM-GREEK/MATH SYMBOL ROM	29	
3263	VIDEOTERM-HALF INTENSITY ROM	29	
3264	VIDEOTERM-INVERSE STANDARD ROM	29	i
3265	VIDEOTERM-KATAKANA ROM	29	
3267	VIDEOTERM-LINE DRAWING ROM	29	
3266	VIDEOTERM-LOWER CASE ROM	29	
3268	VIDEOTERM-MICROMODEM ROM	29	
3269	VIDEOTERM-NORSK ROM	29	

VIDEOTERM-NORTH EUROPEAN ROM

VIDEOTERM-SMALL UPPER CASE ROM

VIDEOTERM-SUPER/SUB SCRIPT ROM

VIDEOTERM/SOFTSWITCH/INV ROM

VISICALC BO PREBBOT/VIDEOTERM

VISICALC BO/MEMORY EXP/VIDEOTERM

VIDEOTERM-RUSSIAN ROM

VIDEOTERM-SPANISH ROM

3305

3306

# 80 COLUMN CARDS

180 CP/M EXPANSION CARD

** MICROSOFT PRODUCTS

SOFTCARD+VIDEOTERM

** MICROMAX SYSTEMS

Z-MAX C/PM CARD

SOFTCARD

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I-MAX CP/M CARD & VIEWMAX BO CD

** PERSONAL COMPUTER PRODUCTS

APPLI-CARD 4 & 064K RAM EXTENDER

APPLI-CARD 4 & 128K RAM EXTENDER

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APPLI-CARD 4 MHz CP/M-64K-70COL

APPLI-CARD 6 MHz CP/M-64K-70COL

RAM EXTENDER 064K UPGRADE

RAM EXTENDER 128K UPGRADE

APPLI-CARD 6 & 064K RAM EXTENDER

APPLI-CARD 6 & 128K RAM EXTENDER

SOFTCARD+VIDEOTERM+RAMCARD+

** ADVANCED LOGIC SYSTEMS		£2 60	
SMARTERM II BO COLUMN CARD SMARTERM II ENHANCEMENT ROM	- 179 39	137 33	33
** DIGITEK INTERNATIONAL			
SCREENMASTER 80 COLUMN CARD SM 80/APPLEWRITER II PATCH SM 80/VISICALC PATCH	299 9 49	289 9 49	
** M&R ENTERPRISES			
SUP'R TERM BO COLUMN CARD 50Hz	350 350	256 259	r

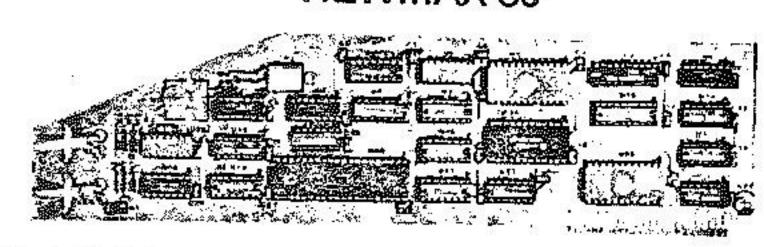
**	VIS	TA	COMPUTER	3				
	·						85	
VIS	ION	80	COLUMN	CARD		5	289	241
VIS	CON	80	COLUMN	CARD	50Hz		289	241

	** WESF	PER	MICRO	SYSTE	15		200	
44	WIZARD	80	COLUMN	CARD			249	173
45	WIZARD	80	COLUMN	CARD	50	Hz	249	173

89

220 172

70 56



# THE RIGHT 80-COLUMN VIDEO CARD FOR YOUR APPLE II*

It is more compatible with existing 80-column application software than other leading cards. And it is loaded with features. Check for yourself,

	1	15					
	RETAIL PRICE	7 X 9 CHAR DOT MATRIX	TRUE DESCENDERS	BUILT-IN SOFT VIDEO SWITCH	BUILT-IN INVERSE VIDEO CHAR.	FULLY PASCAL COMPATIBLE	SHIFT
VIEWMAX-80	219	Yes	Yes	V			SUPPORT
SMARTERM*	360	No	No	Yes	Yes	Yes	Yes
VIDEOTERM*	345	0.00000000		Yes	Yes	Yes	Yes
SUP'R TERM*		Yes	Yes	No	No	No	No
OMNIVISION*	375	No	Yes	No	Yes	No	Yes
	295	No	No	No	Yes	No	
VISION 80°	375	Yes	Yes	Yes	16,000.00		Yes
FULLVIEW 80*	379	Yes	Yes		Yes	Yes	Yes
WIZARD 80°	245	Yes	2000 cose.	Yes	Yes	Yes	Yes
FWMAX-80 is fu			Yes	No'	Yes	Yes	No

functionally compatible with VIDEX's Videoterm and works easily with 80-column applications like CP/M, Pascal, WORDSTAR, AppleWriter II, Zardex, Easywriter, Letter Perfect, Magic Window, Apple PIE, VISICALC, ASCII EXPRESS, Transend, dBASE II, micromodem II, multiplan, etc.

Shift Key Mod and Preboot disk for Visicalc and AppleWriter II available as low cost options. See your local Dealer or order direct. Visa/MasterCard accepted. Dealer & OEM inquiries welcome. BACKED BY A FULL 2-YEAR WARRANTY.

# micromax systems

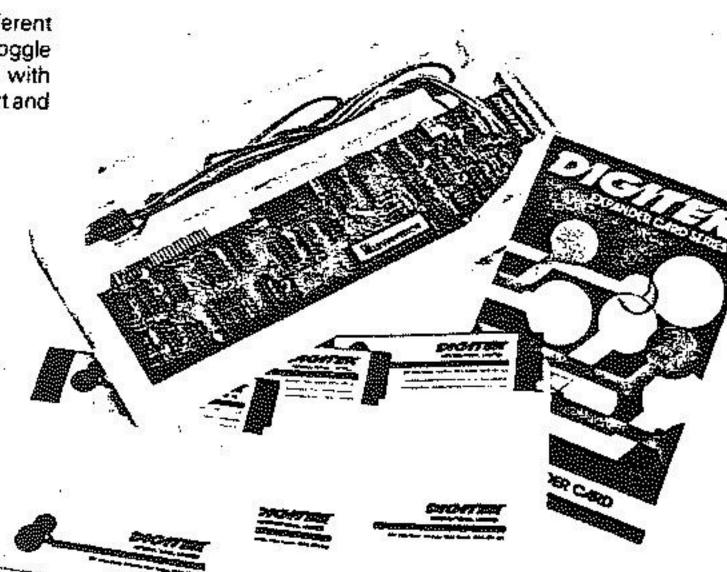
6868 nancy ridge dr. san diego, ca 92121 (619) 457-3131

Also, Apple Parallel Printer Card; Apple 40-Column Upper/Lowercase Adapter: \$29.95 Z-80 CP/M Card: \$179.95

The SCREENMASTER 80 Column Card is the most sophisticated video display expander card available for the Apple II and II plus micro computers. Besides giving the Apple II and II plus the increased display of 80 columns the SCREENMASTER 80 has the following advance "State of the Art" features:

- * Designed to provide full typewriter emulation, making it especially useful in Word Processing as well as graphics/text display.
- * Fully compatible with all Apple languages, Basic, Pascal, CP/M and Fortram. Digitek has software available for the running of Applewriter II and Visicalc in 80 columns.
- * Natural typewriter-fike "Shift" and "Shift Lock" (signified when in use by a shift lock indicator LED light), by the simple installation of the Digitek Keyboard Modification.
- ★ Eight operator modes are provided under keyboard control giving fast program editing, as well as mode switching between the Apple's normal 40 column x 24 lines, and the SCREENMASTER's 80 column x 24 line
- ★ Split screen mode is also provided along with six different cursor modes, 3 scrolling speeds and a useful toggle 'video source command' for one or two monitors with completely independent screen displays (such as text and graphics).

- ★ The SCREENMASTER 80 has 256 keyboard characters available (128 normal character set and 128 alternate character set, including user definable graphics), all based on Upper and Lower case (9 x 10 dot matrix) characters with full 3 dot descenders.
- ★ Supports all Applesoft command whether in 80 x 24 mode or 40 x 24 mode including black and white and colour graphics and display commands for Apple Hi-Res and Lo-Res graphics in both Inverse and Normal.
- ★ Direct Memory Acces(DMA) for advance program appli-
- A Buffered address lines and buffered data inputs and outputs are provided for reliability and minimal loading of the Apple Bus.



entinued from Page 50. DISK WEAR LIFE

power line surges/spikes

without warning, ruining

inserted between your Apple and

outside world. As a bonus the

vice may have its own heavy duty

roff switch so you may prevent

ur on your Apple power supply

not place your monitor/TV on top

your disk drives without a metal

ield between them! The powerful

ansformer in the bottom of most

nitor/TV sets seriously affects

Also, do

disk drives near the lower

where the transformer is usually

electronic

V minimal protection.

equipment, rubbing out

for most disk certified to exceed ten Let's assume "page eide range of equipment problems passes. means revolutions. If you put be traced to power line surges, same disk into a disk drive likes, and interference. Many day and let it spin 1000 ther problems can be traced to it's expected to last 27 years uspment interactions. Every home doesn't really work out that we office that contains delicate we have seen a well used disectronic equipment is affected. two that has been worn sufficientaging to see light through the aviative far, far less than 3 years. equetic recordings. A combination

colator/power line filter, should DOUBLE DENSITY DISKS disks are labeled which some folks inter to mean the disk is thicker better than other disks. Double density means on a disk may be packed foff switch. Some add on fans evertise spike protection, but it more data but ONLY if your drive read/write head is buil made to write to double den Apple Disk II drives Apple Disk work well with do disks, but why spend extra money on capability the d can't fully use? However, there something to be said for the emponents. double density disks do au to hold lots of data with eft side of your monitor as that dropout.

YOUR COMPUTER COOL

The cooling fan is the answer OTHER CAUTION! BEWARE! overheating usually resulting a you have several peripherals to function cards. A Mug in to use with your computer increases the life insure you plug them into the same greatly reliability computater line or wall plug. Two wall function cards, chips and Polugs near each other could in fact Fresh air is forced to separately to your fuse box and supply. the computer and blows across he polarity of one could be the around the components. everse of the other. A violent Hot air is forced out through ectical accident could result.

open slots on the sides, the b the bottom and the keyboard. DISABLE "WRITE PROTECT"? have recorded temperathere is more than one way to reduction of certain cards of mesable the "write protect" switch degrees F using a fan! The In your disk drive(s) to allow you semiconducto use both sides of a disk. The expectancy every 22 degreensual way is to notch or cutout the doubles for reduction in temperature, but apposite edge of each disk with a important, their reliability 1/4th inch hole punch or razor greatly increased. Many myster lade. Another way is to insert a problems will disappear when wire jumper inside the disk drive. cool your computer.

Continued on Page 52. Continued on Page 51.

Z-MAX

Microsoft's Softcard and ALS's Z-Card Compatible

Software Compatible with CP/M Operating System Application Packages

Provides for Full Interrupt and DMA Operation

● Yellow Indicator LED for Z-80 Operation Mode

Works with Apple IIe and Apple compatible computers (Franklin, etc.)

• 4-MHz Z-80 Operation

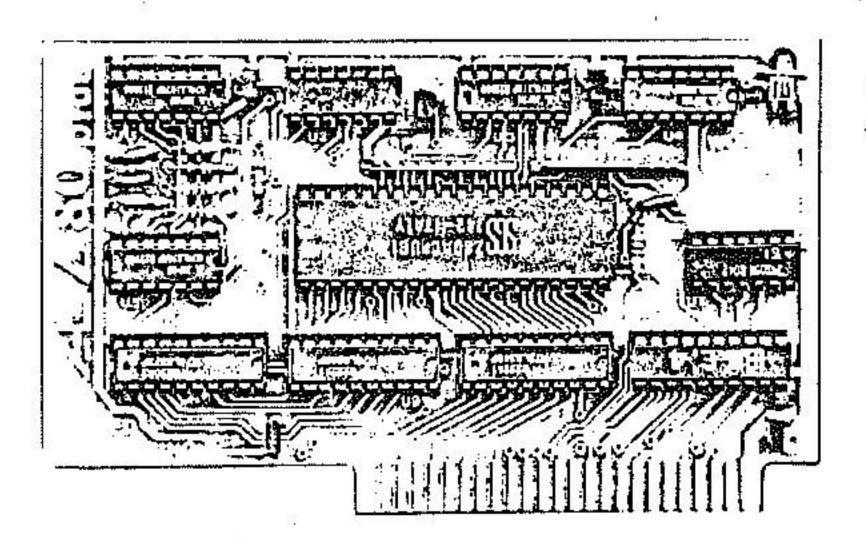
Available Soon: CP/M Operating System Disk with Manual



INNOVATORS IN MICRO-COMPUTER TECHNOLOGY

**MOST AFFORDABLE Z-80** CARD FOR CP/M **OPERATION ON APPLE II** SERIES

# 7-80



- Totally compatible with all CP/M software.
- Executes the full 2-80, 8080 and 8085 instruction set.
- Fully compatible with Microsoft disks (no pre-boot required as with others).
- Does everything the other Z-80 cards do plus supports Z-80 interrupts.
- An on-card ROM eliminates many I.C.'s for a cooler, less power consuming board.
- Runs on any Apple II, II+ or IIe with at least 48K memory (80 column card is not required).
- The Z-80 Plus will allow you to run: dBase II, Wordstar, Spell Star, Cobol-80, Fortran-80, Peachtree and all other CP/M based software.
- Fast Clock: 3.57 MHZ
- · Complete documentation included (user must furnish software).
- · High quality P.C. board, gold plated connector, all I.C.'s in high quality sockets, with mil. spec. components used throughout.
- Two year warranty.

APPLIED ENGINEERING

# MULTI FUNCTION CARDS

NMBF	N ITEM	LIST	r AA
	** CALIFORNIA COMPUTER SYSTEMS		
1319	ASYNCHRONOUS SERIAL CARD 7710-01	135	12
1329	RDM PAC FOR 7710 7610C	30	2
	** INTRA COMPUTER		
1933	AB 232/12 SWITCH	120	10
1934	AB 232724 SWITCH	150	13
1935	AB 449/37 SWITCH	190	17
1936	AB DP/50 SWITCH	240	21
1937	AB VIDEO/BNC SWITCH	.100	9:
1947	CROSS OVER 232/12 SWITCH	081	162
1944 1945	DUAL AB 232/12 SWITCH	220	197
1946	DUAL AB 232/24 SWITCH	270	242
1940	DUAL AB VIDEO/BNC SWITCH	160	144
1941	SWITCH 42 232/12	210	186
1942	SWITCH 4W 232/24 VIDEO/BNC SWITCH 4W	240 165	215
	** MOUNTAIN COMPUTER SYSTEMS		148
2166	ADAPTER R5232 DB25 PIN RECONFIG		2000
2162	CABLE 6' CPS TO CENTRONICS		52
2167	CABLE 6' CPS TO DB25S IDS	25 25	22
2165	CABLE 6' DB25P TO DB25P	· 25 25	22 22
2170	CABLE 6' DIABLO SERIAL TO DB25F	25	24
2169	CABLE 6' SERIAL TO DB25F	25	24
2168	CAPLE 6' SERIAL TO DR25M	25	24
2157	CPS MULTIFUNCTION CARD	239	
2172	CPS MULTIFUNCTION DISK CP/M	20	20
2171	CPS MULTIFUNCTION DISK PASCAL	20	20
2173	EXTERNAL CHARGER	12	11
2153	INTROL/X10 CONTROL CARD	200	167
	** PROMETHEUS PRODUCTS		
2583	BSR TRANSDUCER	0 E	A-C
2582	HOME CONTROLLER PAC	25	22
2595	PRO II G/I DICK	65	54

		li .		
583	BSR TRANSDUCER	25	22	
582	HOME CONTROLLER PAC			
595		65	54	
	The Didk	299	250	
594	PRO II S/L DISK W/APD-CNTR	425		
64	VERSACARD		338	
591	일 및 경기를 하게 되었다면 가장 아니라 하다 하는 것이 없는 것이었다면 없는 것이 없는 것이 없는 것이었다면 없는 것이 없는 것이었다면 없는 것이었다면 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이었다면 없는 것이 없는 것이었다면 없는 없는 것이었다면 없는 것이었다면 없는 것이었다면 없는 것이었다면 없는 것이었다면 없는 것이었다면 없었다면 없었다면 없었다면 없었다면 없었다면 없었다면 없었다면 없	199	159	
	VERSACARD APPLICATIONS PAC	30	29	
70	VERSACARD GRAPHITTI ROM-APPLE		3034334	
69	UCDOADADA HOW MITEL	40	31	
	nerve	40	32	
71	VERSACARD GRAPHITTI ROM-IDS	40	30	
72				
73	THE WARRANT TO THE CONTROL OF THE CO	40	32	
	TOU DEATH	40	3.2	
92	VERSACARD HOME CONTROLLER APPLS	50	3655 CO. 1000	
93	VERSACARD SPECIAL PAC		47	
A-1-1-100	THE PRESENT PRESENTATION OF THE PARTY OF THE	249	200	

52

you disable the write protect micro switch some protected programs will not work, for example PFS: Personal Filing System!

Continued on Page 55.

# CLOCK & TIMER CARD

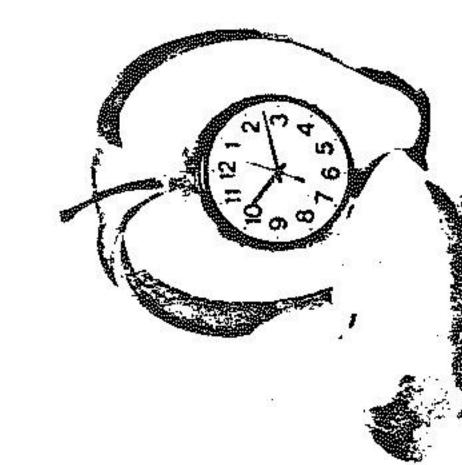
NMBF		<i>&gt; 1</i> 4	
	·	LI:	ST /
	** APPLIED ENGINEERING		174
1147	TIMEMASTER CLOCK CARD	12	9
8,37	** CALIFORNIA COMPUTER SYSTEMS		
1314 1315	CALENDAR/CLOCK MODULE 7425-01 PROGRAMMABLE TIMER 7440-01	- 12 12	M
	** COMREX INTERNATIONAL	*	
1425	TIMEFIECE CLOCK CARD	- 99	ľ
	** MICROCOMPUTER BUSINESS INDUST	<i>*</i> 5	75
2106	APPLETIME CLOCK CARD	99	
	** MOUNTAIN COMPUTER SYSTEMS	196	10 11 20
2146	THE CLOCK	280	22
	** THUNDERWARE		
3175	THUNDERCLOCK PLUS	150	
3180	^CP/M DISK & USER GUIDE	150	13
3177 3178	"DOS DATER DEMO DISK & GUIDE	29 29	2
© 3176 ·	TASUAL DISK & USER GUIDE	29	27
	^X-10 INTERFACE OFTION	49	49
H	** WEST SIDE ELECTRONICS		
3369	SUPERCLOCK II	159	141

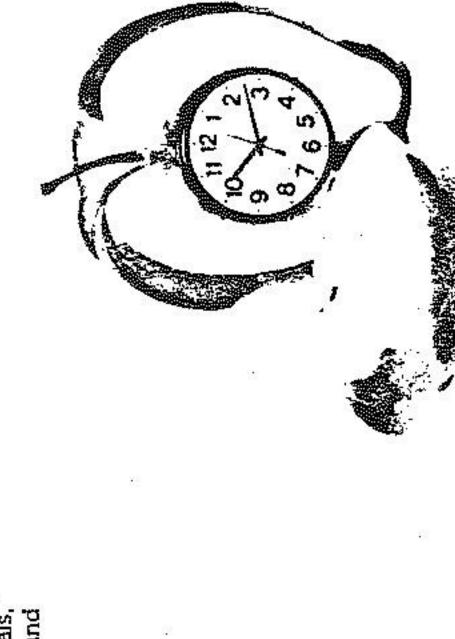
Continued from Page 51

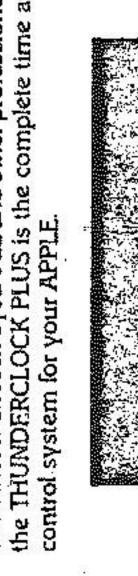
159 141

The way we have adopted is sin to loosen and lower the microsws. inside the disk drive out of way....here's how: Insure your Apple is off!!! Rem the disk controller card. Real the disk drive cover by remov four screws from its bottom si (You need a Phillips screw drive the cover off-careful Loosen the two screws holding microswitch in place. (You need Allen wrench for this.) switch screws are located on left front side of the drive # it is facing you. The swil Will swing down (abo itself 1/16th inch is all it will move) it won't be used. Leave the scr loose. Replace the cov carefully.

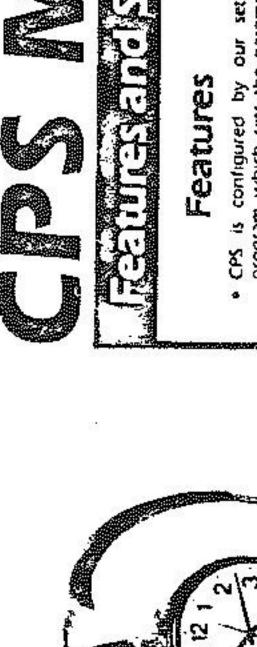
CUCA











53

# ROM CARDS & CHIDS

M	OM CARDS & CH	IPS	3
NMB	R N ITEM	LIST	AAA\$
	ANDAGUES .		
	** ANDROMEDA		
113	5 ROM CARD	80	53
w.	** APPARAT	n	
114		119	109
**	** CALIFORNIA COMPUTER SYSTEMS		
1313	ROM/PROM MODULE 12K 6 WAY 7114A	115	104
	** DATA SHIFT		68
1561	MINI ROM CARD	30	28
	** HIGHLANDS COMPUTER SERVICES	) K	
1834 1835	CRAE EROM 1, 2 & 3 PAC CRAE EROM 1-GLOBAL CHANGE/FIND	100	84
1836	CRAE EROM 2-AUTO NUMBER PLUS	50 35	
1837	CRAE EROM 3-RENUMBER PLUS	35	
	** HOLLISTER MICROSYSTEMS		
1838	EPROM PROGRAMMER CARD 3264	395	350
	** MICROSEEDS		
2109	MON+ ROM	50	40
		50	40
	** MOUNTAIN COMPUTER SYSTEMS		
2150 2151	ROMPLUS COPY ROM ROMPLUS KEYBOARD FILTER ROM	55	48
2152	ROMPLUS TIL CONNECTOR	55 4	4 B 4
14B 149	ROMPLUS+ & WAY (NO ROMS INCL) ROMWRITER	155 1	28
		1/5 1	46
	** MFC PERIPHERALS		
203	PROM IT EPROM DEVELOPMENT CARD	130 10	98
	** OMEGA MICROWARE	Di 50	83.
347	INSPECTOR ROM CHIP	60 5	2
346	WATSON ROM CHIP	10 pt 25 mm	3

NMBR	N	ITEM	69	82
	-		<u> </u>	

	** SOFT CTRL SYSTEMS	
2843	APPLESOFT EDIT ROM	
2842	APPLESOFT RENUMBER/MERGE ROM	
2836	APPLESOFT UTILITY ROM	
2844	BASICS ROM	
2838	CATALOG COMMAND ROM	
2837	DISK COPY ROM	
2845	DUAL DOS ROMS	
2840	FID ROM	174
2839	FORMAT ROM	
2846	DOM BOARD	
2847	THE PART OF THE PA	
2835	DOM DOADS & USE	
2841	ROM BOARD 1 WAY (NO ROM INCL)	
2041	SORT ROM	
32	# # # # # # # # # # # # # # # # # # #	<b>5</b> 0
,	** SYNERGISTIC SOFTWARE	
3094	PROGRAM LINE EDITOR ROM	
3095	SOFT SEVENTY ROM	Ć
	overani g interiogram to the transfer	7

# SPEECH CARDS

	** HOLLISTER MICROSYSTEMS	
1840 1841	VOICE OUTPUT CARD 137 WORDS VOICE DUTPUT CARD 274 WORDS	295 345
	** INTEX MICRO SYSTEMS	5. <b>-</b>
1923	INTEX-TALKER	
1926	INTEX-TALKER BOTH KITS	<u>1807-0</u>
1924	INTEX-TALKER SUFFFR KIT	75
1925	INTEX-TALKER EXP MEMORY KIT	50
**************************************	THE THERE'S EXT NEWORY KIL	50
	** MOUNTAIN COMPUTER SYSTEMS	
		32
2147	SUPERTALKER 5D200	199
		• •
	** STREET ELECTRONICS	2
013	ECHO II SPEECH SYNTHESIZER	150
014	ECHO SPEECH SYNTHESIZED - 2-	300
	Printer cand a cable.	•••
	** SWEET MICRO SYSTEMS	87
A7.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	12
036	MICROBE	45
035 034	MICROBE & THUNDERBOMBS DISK	65
034	FAIR OF SPEAKERS	30
033	SOUND II	129
033 031	SOUND/SPEECH I	179
_	SPEECH I	99
/ 0 /	THUNDERBOMBS	20

# Intinued from Page 52.

LIST AA

"Disable Write While you have the your disk drive, operate how the hubs clamp together Also observe how the the tiny glass eye read/write yourself if it is "dirty" and rubbed with a coarse (Better, to very gentle and loving wipe cotton swab. Better yet. wave it alone!)

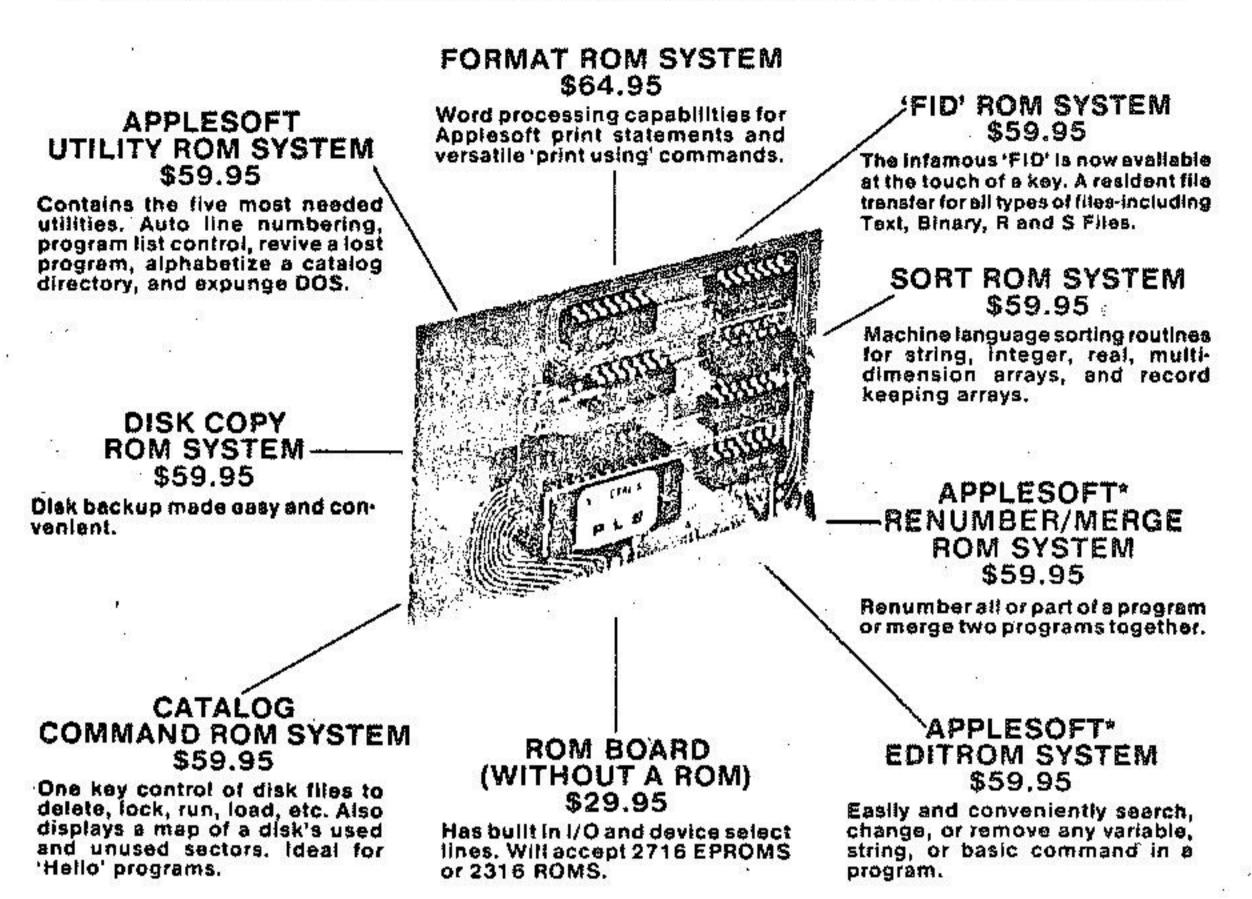
open and close the door mob some more and see how the disk handled and why it is important CAREFULLY AND SLOWLY CLOSE THE whenever you have inserted a sk! Never snap it shut!

can learn some more while you ive the cover off your disk drive. rst make sure your Apple is OFF. innect your disk drive to the entroller card and re-insert in lot 6. Insert a system disk and atch how the read/write head and move during the boot process you turn on your Apple. Insert a new blank disk and INIT it watch the show inside the disk rive. Do it again and counting he "clicks" during INIT watch the move. Interesting? Now turn your Apple and turn it on again as soon as the disk is spinning open the drive door and you decide it is okay to remove a disk hile the disk drive is spinning. Alle it is spinning is Okay, but while it is "writing"! Now, urn off your Apple and put the cover back on your disk drive.

ontinued on Page 94.

# ROM BOARD SYSTEM

BECAUSE READ ONLY MEMORY WILL NEVER FORGET A FIRMWARE PROGRAM, IT WILL STILL BE THERE WHEN THE APPLE IS TURNED OFF AND ON AGAIN.



The ROM BOARD SYSTEM can be used in any slot to suit your system configuration and is activated with the standard 'PR#' command.

|Check or M.O.) Ying or MasterCard Accepted

SOFT CTRL SYSTEMS, BOX 599, WEST MILFORD, NJ 07480

201-728-8750

# HMS3264T 2716/32/32A/64/128 EPROM Programmer Card for Apple II*

# **General Description**

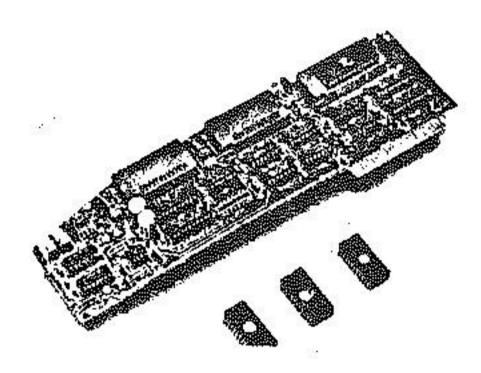
The HMS3264 EPROM Programmer Card is designed for use with the Apple ti to program a variety of EPROM devices. The programmer card is enhanced by easy-to-use, menu-driven software and on-board circuitry that generates all required programming voltages. The card is designed to program Intel-compatible 2716, 2732, 2732A, 2764 and 27128 EPROMS.

The software is a user-friendly interactive program that allows EPROMS to be read and programmed from disk files and duplicated,

The software supplied with the HMS3264 is extremely flexible. It enables the user to program an entire EPROM from a binary file on disk, or to selectively and partially program an EPROM. Editing of one byte, or multiple bytes, is easily and rapidly accomplished. Verity-after-programming is performed automatically, but may be overridden if desired. Easy checksum calculation enables checksum to be included in EPROM by user to enhance user system integrity.

### **Features**

- Programs Intel-compatible 2716/32/32A/64/ 128 EPROM devices
- Uses Apple II address space \$C800-CFFF M Automatic bank switching to accommodate
- the large EPROMS Relative addressing
- 'WORKSPACE' memory addressing enables easy, last editing
- E Completely menu-driven software
- M Power ON/OFF switch (with LED indicator) on card enables EPROM insertion and removal without powering down your Apple II
- a Programming voltage ON/OFF switch on card helps prevent inadvertent programming ## HMS3264 -- \$395



- Prom-being-programmed LED indicator on card to help verify correct operation
- Can program entire EPROM space no prohibited or unavailable areas

### **Applications**

- Functions as a very powerful, convenient-touse, standalone (with Apple II) EPROM programmer
- # With cross-assemblers and/or crosscompilers, becomes a very powerful but inexpensive software development system
- In-field editing of process control EPROMS ## Program EPROMS far away from master EPROM by error-free transfer of binary files using any popular telecommunications package for the Apple II. Enables fast and 100% accurate in-field EPROM programming.

	R N ITEM	L.	IST AAA\$		NMBR	N ITEM	LIST
10		5255900000 574					
	** ADVANCED LOGIC SYSTEMS				32	XX DMCCA HIDDANADA	
105	9 ADDRAM 16K CARD					** DMEGA MICROWARE	
			99 78		2343 2344	THE PLAN CHAP	140
	** AXLON				2345	The same bonds	499 125
						, , , , , , , , , , , , , , , , , , ,	123
1274 1275	TEN DENORT STORE		30 318			** PROMETHEUS PRODUCTS	
	RAMDISK 320K MEMORY SYSTEM	100	00 816				-
					2588 . 2586	DISK EMULATOR-CP/M DISK EMULATOR-DOS 3.3	50
	** COMPUTED TERMINEN STATE				2587	DISK EMULATOR-PASCAL	50 50
	** COMPUTER TECHNOLOGY ASSOCI	ATE			2576	EXPANDARAM 064K SPECIAL	299
1422	RAM CARD 16K	9	9 66		2574 2577	EXPANDARAM 064K W/VC EXTENDER EXPANDARAM 128K SPECIAL	399
		2			2575	EXPANDARAM 128K W/VC EXTENDER	399 499
	** DA COMPUTER PRODUCTS/CBE				2590 2578	RAM 128K/VC EX/GRAFITTI/ASUR/+	944
1552					2589	RAM CARD 16K VISICALC+VISICALC EXPAND	99 · 99
1332	RAM CARD 16K	9	9. 50	*			,,
	** DAVONG	ř				** QUENTIN RESEARCH	
1580	RAM CARD 16K - SUPER SPECIAL!	99			7174		e describe
9	i i i i i i i i i i i i i i i i i i i	7	40		2624 2623	RAM MEMORY 16K CARD RAM MEMORY 16K W/O SOCKETS	69 50
	** LEGEND					Waller Con Was DOCKETS	59
2010	CP/M FASTDISK SOFTWARE				29	** RH ELECTRONICS	10
2008	DISK EMULATION SOFTWARE	70 35			2//2		
2007	MEMORY MASTER SOFTWARE	35			2663	SUPER RAM II 16K	125
2009 2014	PASCAL SOFTDISK EMULATOR	50					
2006	PASCAL SUPER SYS/MILL+128KDE RAM CARD 64KC	749			**	** SATURN SYSTEMS	ŧ
2005	SOFT DISK 128KDE	327 <b>5</b> 99			2007	*	
2015	SUPER EMULATOR SOFTWARE	60	425 48		2803 2802	ACCELERATOR II CP/M OPTION	599
2016	VC-PLUS UPGRADE 40 OR 80 COL	27	27			CP/M PSEUDO DISK FOR 32K CARD	39
2017	VISICALC SUPER SYSTEM	850	768		2801	PASCAL OPTION	39° 39
					2805	PASCAL PSEUDO DISK FOR 32K CARD	39
	** MICROSOFT PRODUCTS				2797	RAM CARD 192K + BO COLUMN	499 4
		_				RAMBOARD 032K	219 1
2113	RAMCARD 16K	100	79			RAMBOARD 064K	349 2
			, ,	89		RAMBOARD 064K + BO COLUMN RAMBOARD 128K	249 2
		10				RAMBOARD 128K + BO COLUMN	499 4
	** MICROTEK				2804	UPGRADE 64K RAMBOARD TO 128K	399 3 150 1
2118	DAK ALIV DAY ALT	-0			2798	VC EXPAND FOR xxK CARDS	69
2126	BAM OLAK RAM CARD & MMS DISK	160	78		2799	VC EXPAND/BO FOR XXK CARDS	89
	BAM 064K RAM CARD	379	187		2800	VC/80 FOR xxK CARDS	49
	BAM 128K RAM CARD	479	236				
••••	Q-DISC 128K & VIZ-E-EXPAND	529	255		≈ •	** SORRENTO VALLEY ASSOCIATES	
	** MOUNTAIN COMPUTED OVERCUS			20	-		
	** MOUNTAIN COMPUTER SYSTEMS			*0.	2869 A	APP-L-CACHE RAM CARD 064K	350 31
174	RAMPLUS & VISICALC EXPAND	100	84			APP-L-CACHE RAM CARD 128K	750 73
158	RAMPLUS 16K CARD	189	135		경영경영영영 중점	APP-L-CACHE RAM CARD 192K	975 90
	RAMPLUS 32K CARD		154			VV-I - PAPUE BAN MAN	995 92
160	RAMPLUS UPGRADE 16K B CHIPS	25	22			CHAN CHAN UPGRADE	225 21
	EX MOC DEDITORS -			×	82		
2 d	* MPC PERIPHERALS	•					
97 0	UBBLE VENERAL						

99 66

for Apple II and III.

------

 Gives your Apple* computer the processing power and speed of much larger systems.

- 320K bytes of RAM (200ns) memory that functions like two 35 track, or two 40 track, or one 80 track floppy drive.
- Connect up to four RAMDISK 320 units for over 1.2 MByte of ultrafast memory.
- Ultrafast—up to 50 times faster than floppy drives, and 10 times faster than hard disk drives. Sorts 2 full disks in
- Saves wear on Roppy drives, and reduces the risk of lost data due to disk
- · Compatible with Apple DOS 3.3, SOS, CP/M. Apple Pascal 1.1, Pascal 4.0. User can boot directly from RAMDISK.
- Built-in power supply plus three hour battery backup. Draws no power from your Apple and retains data with Apple' turned off.
- Increases telecommunication speed by receiving data into the RAMDISK 320 through the system and modem.

- Includes plug-in, slot-independent interface card.
- Includes specially designed operating system—plus software for diagnostic, fast load, copy routines, and business applications.
- Plug-compatible with Apple II, Apple III, Franklin ACE, BOSIS, BELL & HOWELL, and others.
- · Applications OEM, business, education, scientific, software development, etc.



Apple 7 II * III* are trademarks of Apple Computer, he as E * to a cook much of Franklin Computer Corp C * F * Mark to be viden ask of Degrad Research.

			83
	** STB		
2995	CP/M EMULATOR FOR 64/128K CARD	20	7.4
2991	DOS 3.3 SUPPORT SOFTWARE	30 40	32
2998	EXP CARD 128K & VC EXTEND	64B	485
2985	EXPANSION CARD 016K	169	127
2986	EXPANSION CARD 064K	299	191
2987	EXPANSION CARD 128K	395	299
2988	EXPANSION KIT 16K/EK	179	140
2994	PASCAL EMULATOR FOR 64/128K CARD	30	24
2993	VC EXTEND FOR 64/128K CARD	100	19. TEXAS
2997	VC EXTEND FOR VIDEX 64/128K CARD	100	78
	** SYNETIX MICRO PRODUCTS		
3099	CP/M DISK PATCH	50	40
3096	DISK EMULATOR 147K M2201	395	321
3097	DISK EMULATOR 294K M2202	695	558
3100	PASCAL DISK PATCH	50	40
3101	SOFTECH psystem IV.O PATCH	75	59
3102	SOFTECH psystem IV.1 PATCH	75	59
3098	UPGRADE 147 TO 294	250	212
æ	** UNITED SOFTWARE OF AMERICA		
3240	SUPER K-RAM 48K	135	104
2	** WESPER MICRO SYSTEMS	3	
3346	WIZARD 16K RAM CARD	95	66
		3	

# THE SYNETIX SOLID STATE DISK EMULATOR FOR THE APPLE, INCREASES

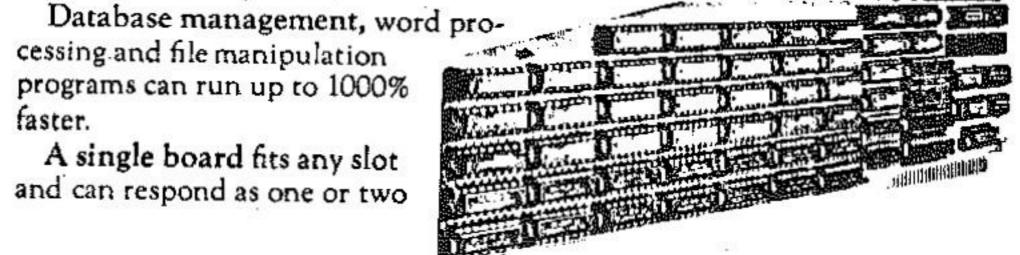
NMBR N ITEM

The Synetix Solid State SPEED UP TO 1000%. mechanical disk drives. The Disk emulator operates identically to the standard disk drive, but responds much faster for programs using disk I/O. The SSD also saves wear on your mechanical drive and diskettes.

The Solid State Disk Emulator is compatible with DOS 3.3, Pascal, SofTech p-Systems IV.O, IV.I, and CP/M operating systems. Call us for a complete list of compatible software and benchmark results on aforementioned systems.

Database management, word processing and file manipulation programs can run up to 1000% faster.

A single board fits any slot



SSD requires no external modification and uses only 150 ma power supply per board.

Two Models are now available at new low prices. The Model 2201 (147K) single disk is now only \$395.00. The Model 2202 (294K) dual disk is \$695.00.

The Model 2201 (147K) is upgradeable to a Model 2202 (294K) by you or by Synetix.

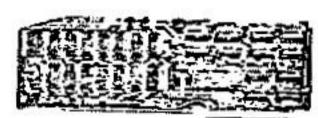
> Contact your local dealer, or call:

Synetix Micro Products Inc. 15128 N.E. 95th Street Redmond, WA 98052

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BUBBLE MEMORY 128K CARD

MEMORY BOARD 16K



32K RAM: BOARD

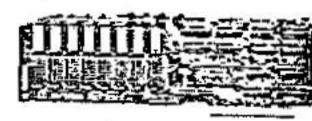
32K RAM BOARD

The original multi-bank memory board for Apple II. Plugs into any slot. No jumper cable. Low power consumption. Uses high reliability, prefested 16K dynamic 200 ns RAM chips with 7-bit refresh.

Applications software is included to (1) relocate DOS into the memory board, (2) expand BASIC programs through chaining and overlaying, and (3) simulate a very fast, internal disk drive under DOS. Optional software can simulate a disk drive under CP/M or PASCAL.

VisiCalc users can add 32K to the workspace memory with this board and the VC-Expand or VC-Expand/80 software.

All Saturn boards can be used in combination with other Saturn boards or with standard 16K RAM boards. Salurn provides a one-year warranty with each board.

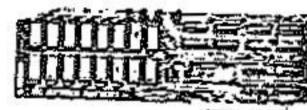


Saturn boards.

64K RAM BOARD

**64K RAM BOARD** 

A medium-range memory board which can be expanded to 128K as your needs increase. Includes all the features of our 128K board. Upgrading is simple: just plug in 8 chips.



128K RAM BOARD

128K RAM BOARD

Our largest board includes 5 comprehensive software packages to assist in all your programming needs. Users of PASCAL, CP/M, and BASIC all gain additional speed and convenience of programming with the Saturn 128K Board. Plugs into any stot; no chip pulling required. Uses high reliability, pretested 64K dynamic 200ns RAM chips with 7-bit refresh. Low power consumption. One-year warranty.

All Saturn boards perform all the functions of a 16K Language card. In addition, Saturn boards can increase the workspace memory available to VisiCalc when used with the optional program VC-Expand or VC-



### MOVEDOS

This program will automatically relocate DOS (3.3 or 3.2) into any of the Saturn boards, freeing up 10K of user memory. APPLESOFT or INTEGER BASIC can be loaded into the board at the same time as DOS, and both can access the relocated DOS. One can generate a turnkey system by using INIT to create a copy of the relocated DOS. This disk can later be booted, even from power up, automatically loading DOS into the Saturn board in one simple step.

Included with all Saturn boards.

### RAMEXPAND

This program allows one to use the Saturn board(s) for storing and loading subroutines, program segments, and arrays from IN-TEGER BASIC or APPLESOFT. This enables fast and efficient chaining and overlaying of BASIC programs as well as storage and retrieval of data without delays due to slow disk access. The package is designed to run in a variety of system environments, taking advantage of one or more Saturn boards as well as a standard 16K RAM board (if present).

Included with all Salurn boards.

### PSEUDO-DISKS

### . PSEUDO-DISK FOR DOS

This software allows you to use one or more Saturn boards (to a maximum of 256K) like a standard disk drive, only faster and perhaps bigger. The software modifies DOS 3.2 or 3.3 to produce a single PSEUDO-DISK from any Saturn board(s).

Programs, data, etc. can be saved on the Saturn board by simply using the standard DOS commands for disk access and specifying the drive designation assigned to the PSEUDO-DISK.

This package is useful for maintaining ready access to commonly used programs, utilities, data, etc. Programs and data load significantly faster off the PSEUDO-DISK as compared to a physical disk drive.

Included with all Saturn boards.

### 2. PSEUDO-DISK FOR PASCAL

This versatile software package allows you to use one or more Saturn boards (to a maximum of 256K) as another volume to PASCAL for storage of programs, utilities, data, etc. The PSEUDO-DISK eliminates the need for a second disk drive and improves the performance of the PASCAL operating system. With the PSEUDO-DISK you can speed up compilation and get almost instantaneous response from the editor and filer. A utility called FASTLOAD is included for uploading and downloading an entire diskette. Other utilities facilitate transfer of individual files between PSEUDO-DISK and real disk drive.

Included with all Saturn 64K and 128K boards. Available as an option for Saturn 32K boards.

### PSEUDO-DISK FOR CP/M®

This software package greatly enhances the utility of CP/M programming by providing ready storage for programs and data, without the inconvenience of slow disk access. Great for WORDSTAR and other programs with extensive disk use. Works with one or more Saturn boards, to a maximum of 256K. The PSEUDO-DISK is carefully documented and simple to use.

Included with all Saturn 64K and 128K boards. Available as an option for Salurn 32K boards.

### VC-EXPAND

This program expands the memory available to Visi-Corp's 16 sector VisiCalc on an Apple II Il Plus, or IIE with one or more Saturn boards. A standard 16K. board may be used as well.

Your workspace memory under VC-Expand will depend on the boards present in your system as follows:

BOARDS PRESENT MEMORY 1 Salum 32K 1 Salum 32K + one 16K Saturn 64K (or 2 Saturn 32K) Salurn 64K + 1 16K 1 Salurn 64K + 1 Salurn 32K 1 Salurn 128K + one 16K

The VC-EXPAND software modifies VisiCale in memory, without altering your VisiCalc disk-ette. VC-EXPAND will not noticeably slow down your VisiCalc calculations, although of course your Apple will need more time to recalculate the much larger spreadsheets you will be able to create with this system.

FAST SAVE/LOAD

Since the very large files pos-sible with VC-EXPAND may take a long time to save and load in the usual format, VC-EXPAND now offers a fast save option. This feature saves files in binary format. Saving and loading takes less than a minute with this option. VC-EXPAND also includes the normal (text) save format so that you can still use other Visi programs on your

Saturn's VisiCalc expansion programs are well-supported software packages with constant attention being given to expanding business needs. As new leatures are added, upgrades are made available to current users at nominal cost. The VisiCalc expansion software is written for Saturn by Micro Solutions.

models. If you use only VisiCalc. however, you can do all your file saving in the fast binary format. MATRIX SIZE

VC-EXPAND modifies Visi-Calc to let you use the entire displayed matrix, from A1 to BK254 (VisiCalc alone allows only about 9,000 cells.) This feature enables you to create far more extensive and powerful financial planning

### MULTI-DISK FILES

Since the Apple diskette holds about 128K, you may need more than one diskette for your large models. VC-EXPAND takes care of this very simply for you: just switch diskettes when the screen prompts

VC/80 lets you get 80 column display for your VisiCalc models when you use one of the following

1. Videx Videolerm 2. ALS Smarterm 3. M & R Sup 'R' Terminal

4. Vista Vislun-80

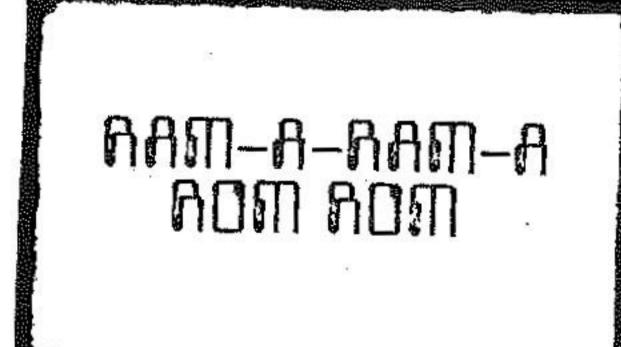
Support for other 80 column boards is also planned. VC/80 supports entry of upper/lower case letters in your VisiCalc models.

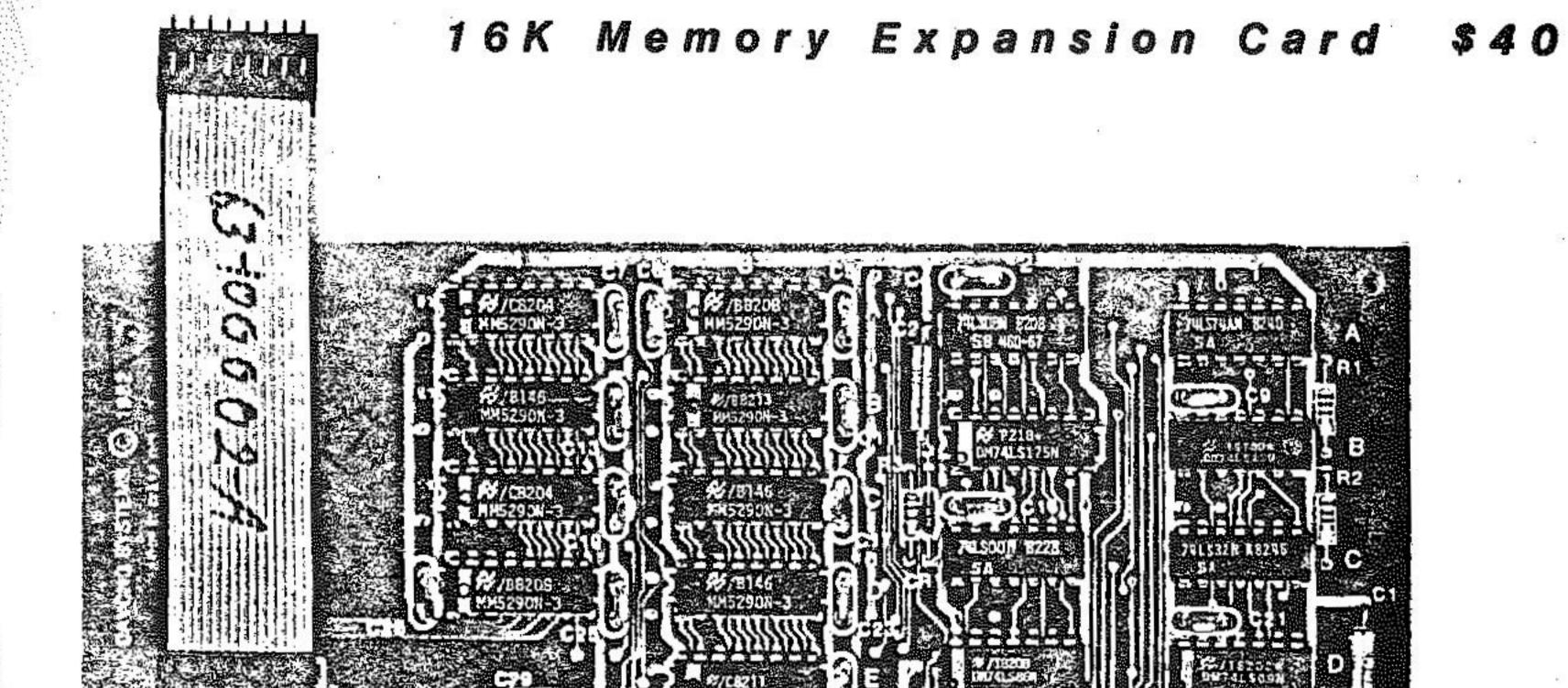
### VC-EXPAND/80

VC-EXPAND/80 combines all the features of VC-EXPAND and VC/80. It can be used in the 40 column mode without an 80 column board.

This program, with appropriate hardware, vastly expands your VisiCalc modeling capabilities. The display window becomes twice the normal size, and the workspace can be almost 10 times its original size. See table under VC-EXPAND. Note that you may have 1K less than the table indicates, since VC-EXPAND/80 is larger than VC-EXPAND.

VC-EXPAND/8D is recommended for all VisiCalc users who have or are considering an 80 column board





DAVONG 3 Systems Inc. 

03-200018 REV-A DSI-A16 REFERENCE GUIDE

### **FEATURES**

- 16K byte memory expansion card for the Apple Computer.
- · Completely compatible with Apple Computer software and hardware.
- Runs at the same speed as Apple memory products.

# DSI-A16 INSTALLATION INSTRUCTIONS

### **► TURN THE POWER OFF**

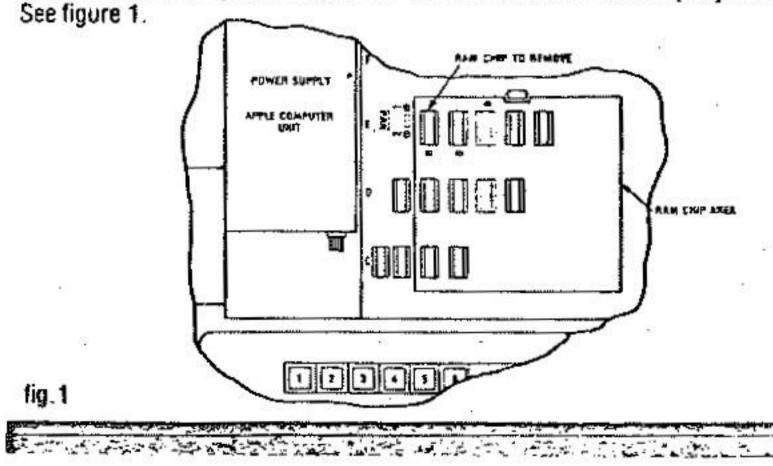
Since you will need to go inside your APPLE it is important for your safety and the integrity of the devices inside the APPLE that the power be off when removing or installing any component,

> REMOVE THE COVER FROM YOUR APPLE

The cover of the APPLE is fastened with plastic snaps at the back edge and is slid under the front edge. To remove the cover pull up firmly on the rear edge. When the snaps release be careful that the edge you're holding does not rise more than about one inch.

Slide the cover toward the rear of your APPLE to expose the interior. ▶ REMOVING A CHIP

Installation of DSI-A16 requires that one of the chips in the APPLE be removed. To locate the chip look inside your APPLE and locate a large white or gold square on the dircuit board. This square is about 4"x4" and surrounds an area 8 chips by 3 chips.



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Touch the power supply cover (the gold box inside the APPLE and to the left) before touching any components. This discharges any static electricity you may be carrying. A high static charge (you could carry up to 20,000 volts) can damage electronic

3A SPECIAL

- SLOT O MUST BE EMPTY
- If there is already a card in slot 0 then remove it.

> LOCATE THE CHIP TO REMOVE In the upper left corner of the big white square is the RAM chip you will need to

> TO REMOVE THE RAM CHIP

You will need a small flat blade screwdriver or a small pen knife to pry up the RAM chip. The RAM chip is in a socket which is about 3mm thick, insert the screwdriver between the socket and the RAM chip. Pry the chip up about 1-2mm and no further. Remove the screwdriver and insert it in the other side. Again pry this side of the RAM up about 1-2mm. Repeat this procedure raising each side 1-2mm with each iteration until the RAM chip has been removed. Be careful during this step. It is easy to bend the pins on a chip during removal. Also, it's a good idea to touch the power supply box to discharge any static you may be carrying.

MATTACHING THE CABLE CONNECTOR

The plug at the end of the ribbon cable will go into the empty RAM chip socket. The edge strip (the part that sticks out from the board) will go into slot 0. Position the card with the edge strip over slot 0. This will position the plug on the ribbon cable near the empty RAM socket, insert the RAM plug into the socket gently. The cable should bend away from the DSI-A16 card and then back around near the empty socket. The cable should not be twisted. Again, use care in inserting the plug not to bend the pins. If you find it difficult to firmly seat the plug, remove it and realign the pins and try again. You may need to wiggle it slightly but do this very slowly.

▶ INSERT THE EDGE STRIP INTO THE CONNECTOR

Position the card so that the edge strip is centered over the slot 0 edge connector. Set it down into the slot and press firmly. The card should go in with some resistance for about 5mm and stop.

It's a good idea to recheck your work and re-read the instructions to be sure all is correct. When you feel satisfied with the installation replace the cover to your APPLE and you are finished.

Apple is a registered trademark of Apple Corporate

Davong Systems, Inc. 1061 Terra Bella Avenue, Mountain View, CA 94043 (415) 965-7130

# OTHER CARDS

- Age				72	33
NMBF	N ITEM	LIST	AAA\$	NMBR	N ITEM
				~	
				21	
	** ADVANCED BUSINESS TECHNOLOGY	Y			** HOLLISTER MICROSYSTEMS
1056	RETAIL MANAGER/CASH DRAWER	2200	1702	1040	COROC ACCEMENTS OF ACCEMENT
E		****	.,	1842	CROSS ASSEMBLER 6800XA
•					
	** APPLIED ENGINEERING				** MOUNTAIN COMPUTER
1151	SUPER I/O BOARD		F 7	2182	CABLE 6' 1100A TO SERIAL CAR
1101	SOI ER TYO DONNE	62	57	2181	CARD HOLDER/ADAPTER 14" f/110
				2179	CARD READER 1100A
	** ARBA FINE BUSINESS COMPUTING	ì		2184 2185	GP 40COL CARDS/BOX 2M GP BOCOL CARDS/BOX 2M
1152	CASH REGISTER 4000	1295	1169	2180	
1153	CR4000 1 YEAR WARRANTY ADD	110	110	2189	MARK SENSE CARD 80COL/BOX 2M
1154	CR4000 2 YEAR WARRANTY ADD	200	200	2188	SURVEY CARD 50 ANSWERS/BOX 21
		34		2187 2186	TEST CARD 100 ANSWERS/BOX 2M TEST CARD 50 ANSWERS/BOX 2M
	** CALIFORNIA COMPUTER SYSTEMS			2100	TEST CHAN DO HMSWERS/BUX ZM
20		-			
1325	ARITHMETIC PROCESSOR 7811-01 DS				** QUENTIN RESEARCH
1331	ARITHMETIC PROCESSOR 7811-02 RO DISK FOR 7811 7611A	M 360	315	2626	LOGIC WIRE WRAP
1330	ROM FOR 7811 7611B	30	28 28		EDUID WINE WARD
1317	SOLDERTAIL BOARD	31	29		
1321	SYNCHRONOUS SERIAL CARD 7712-01	175	157		** SOFTWORKS
			58 58	2850	COMM-PAC SOFTWARE
	** COMPUTER DATA SYSTEMS			2851	ROS CENTRAL BOARD .
	TUE DOD DUITOU	-		2852	ROS REMOTE BOARD
1344	THE DOS SWITCH	30	27	2853 2849	ROS REMOTE BOARDS-3 ROS REMOTE STARTER SYSTEM
				2854	STOCK-PAC SOFTWARE
	** CMA MICRO COMPUTER DIVISION				
3431	CMA LIGHT PEN	-	22		** STELLATION TWO
7731	COM LIGHT FEW	Bú	74		
				3004	ASSEMBLER DEVELOPMENT SYSTEM
	** CORONA DATA SYSTEMS	10 W		3000 3005	FLOATING POINT OPTION SOFTWARD MAF: MACRO ADAPTER FOR PASCAL
461	CENTRAL ROS CARD & 2 REMOTES		#3	3008	OMEGASOFT PASCAL COMPILER
459	CENTRAL ROS CARD & SOFTWARE	640 309		3006	059/BASICO9 & THE MILL
460	REMOTE CARD & CABLE	189		3002	PASCAL SPEEDUP SYSTEM W/MILL-I
462	THREE REMOTE CARDS & CABLES	540		3003 3007	SPRINTER: PASCAL PRINT SPOOLER SYSTEMS PROGRAMMER PAC FOR OSY
				2999	THE MILL-PASCAL SPEEDUP
	** DATA SHIFT			3001	VITAMILL-6809 COPROCESSOR 64K
563	DOUBLE D BOOTER	20	19		** TECH SKETCH
	72				
	** GIBSON LABORATORIES		25	3141	> ALL REQUIRE THE INTERFACE CA
799	A TOUT DOWN ONOTEN LOD & DOWNS AND			3142	LIGHT PEN LP10 LIGHT PEN LP10S W/SWITCH
77	LIGHT PEN SYSTEM-LPS & PENTRAK	345	261	3143	LIGHT PEN LP15 W/SWITCH
				3144	THE INTERFACE CARD
	** HARVARD ASSOCIATES			2	#* #5 15
101	BASIC TASMAN TURTLE	1000	351		** THIRD MILLENNIUM ENGINEERIN
05	BASIC TASMAN TURTLE RS232	1000 8			
02	TALKING TURTLE	1000 8	154 154	3174	ARCADE BOARD
06	TALKING TURTLE RS232	1400 11			
04	TALKING TURTLE W/COMPASS	1350 11	39		32

1250 1054

1150 970

LIST AA

640

	EXT	
Configuration	Apple Apple	e Apple/ e Softcard
FORTRAN	524	431*
BASIC	960	1,366
PASCAL	684	Z/S

TALKING TURTLE W/COMPASS RS232

TURTLE W/ELCT COMPASS RS232

TURTLE W/ELECTRONIC COMPASS

125 101

318

439 412

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175 147

28

28

48

** ADVANCED BUSINESS TECHNOLOGY

ASTAND FOR KEYPAD OR SOFTKEY

** CREATIVE COMPUTER PERIPHERALS

** EXECUTIVE PERIPHERAL SYSTEMS

KEYWIZ 83 & WORD PROCESSOR

KEYWIZ CONVERTIBLE

LOWER CASE ADAPTER-OLD

LOWER CASE DEMO "DICE"

LOWER CASE ADAPTER A

LOWER CASE ADAPTER B

** DMS ELECTRONICS

EPS MODULE APPLEPLOT

EPS MODULE BENCHMARK

EPS MODULE DB MASTER

EPS MODULE EASY WRITER

EPS MODULE LETTER PERFECT

EPS MODULE SCREEN WRITER II

EPS MODULE MAGIC WINDOW

EPS MODULE MULTIPLAN

EPS MODULE PASCAL

EPS MODULE PFS:FILE

EPS MODULE SUPERCALC

EPS MODULE VERSAFORM

EPS MODULE VISICALC

EPS MODULE WORD HANDLER

"BURN YOUR OWN PROM KIT

ASDETSWITCH TO USE BOTH KEYBOS

EPS MODULE VISIDEX

EPS MODULE WORDSTAR

*EXTENSION CORD 20'

EPS MODULE PIE WRITER

EPS MODULE EXECUTIVE SECRETARY

EPS MODULE dBASE II

EPS MODULE APPLEWRITER II

PRESFAX 100

EPS KEYBOARD

LOWER CASE ADAPTER-REV7+

KEYPAD A 13 OLD KEYÐD

KEYPAD B 13 NEW KEYBD

SOFTKEY 15 BASIC

*KEYCAP KIT

KEYWIZ 83

KEYWII VIP

** DAN PAYMAR

** DATA SHIFT

1.564

1765

1764

1763

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1768

SOFTKEY 15 PASCAL

NMBR N ITEM

** IVERS SPECIALTIES

** KEY TRONIC

KB200 KEYBOARD

** LAST ELECTRONICS

PLEXA-LOK KEYBOARD COVER

> CLEAR PLEXIGLAS

** LAZER SYSTEMS

LOWER CASE PLUS

1995

2925

LOWER CASE PLUS II

** LJK ENTERPRISES

** MICROMAX SYSTEMS

** MPC PERIPHERALS

** QUENTIN RESEARCH

LOWER CASE ADAPTER PROM

** SILICON VALLEY SYSTEMS

** SOUTHERN CALIFORNIA RESEARCH

KEYBOARD CLEANING KIT DTC296

SHIFT WIRE MODIFICATION

MAGIC KEYBOARD

** TEXWIPE

** MPI

KEYPAD A032

UPPER/LOWER CASE EPROM

UPPER/LOWER CASE ADAPTER

SIXTH FINGER-AUTO REPEAT

SIXTH FINGER A-ADJ AUTO REPEAT

PLEXA-LOK W/ETCHED APPLE ADD...

KEYBOARD PLUS-LOOK AHEAD BUFFER

LOWER CASE CHARACTER GENERATOR

" " Lit

# KEYBOARDS/PADS L/C ADAPTERS

** VISTA COMPUTER

VISION 20 CHARACTER GENERATOR

KEYBOARD 40 CHARACTER BUFFER

INTELLIGENT KEYBOARD CARD

AAL	NMBR	N ITEM	LIST	AAAs
PROTECT YOUR APPLE* KEYBOARD		** TKC		
P.O. BOX 1300 SAN ANDREAS, CA 95249 (209) 754-1800	3184	NUMERIC KEYPAD	150	14
PROTECT YOUR EXPENSIVE INVESTMENT				
FERED FOR THE FIRST TIME PLEXA-LOK COMES WITH A 30-DAY MONEY BACK GUARANTEE IF NOT SATISFIED!	y.	** VIDEX		
20-DAY WORLD 30-DAY WORLD 20 PLEXA-LOK slips up and over the keyboard — then gently snaps into position.	3280 3251	ENHANCER II & FUNCTION STRIP ENHANCER II REV 7+	215 149	179
our valuable computer is protected from objects and spills directly on top of keyboard spich could cost hundreds of dollars to repair!	3252 3253	FUNCTION STRIP KEYBOARD ENHANCER REV 0-6	79 129	108
EXA-LOK allows your secretary to go on break without having to worry about visitors exidentally destroying their hours (and your \$) of work.	3284	LOWER CASE ADAPTER REV 0-6	35	30

ENHANCES looks of your system	PROTECTS keyboard     from dust
	A STATE OF THE PARTY OF THE PAR

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# THE MAGIC KEYBOARD—

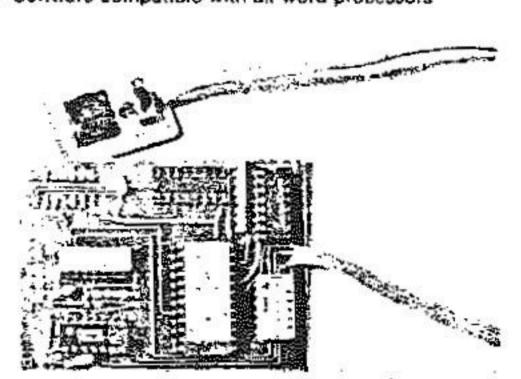
For Apple 1[, ][+ and Franklin

- · At the flip of a switch, select between standard "OWERTY" keyboard and your choice of DVORAK, A.S.K., MONTGOMERY, LEFT & RIGHT ONE-HANDED, and ALPHABETICAL ORDER
- . Converts APPLE" keyboard to one of eight 10-key or hexadecimal keypads
- Hardware conversion—compatible with all software
- Decals provided

ALLOWS computer to

remain on while unattended

- · Works with any revision Apple II or II+
- · Instantly switches between standard keyboard and keypad . Custom layouts available Installs easily, no soldering
- · Easy modification and optional PROM allows true upper/lower case entry
- . Does not use an expansion slot
- · Software compatible with all word processors



Some of the alternate keyboards are:

DVORAK - Scientifically designed to reduce typing fatigue, and increase speed.

AMERICAN SIMPLIFIED - A popular variant of the DVORAK simplified keyboard.

ONE HANDED - For the amputee or stroke victim. These two keyboards (left and right handed), are designed to give the strongest fingers the most

THE MAGIC KEYBOARD is 100% software compatible with all programs, such as VISICALC", BPI", etc. In fact, there are specially designed keypads within THE MAGIC KEYBOARD for each of these programs. In all, there are four numeric keypads to choose from, as well as four hexadecimal keypads for machine language programmers. You may quickly change your selection of keypads, should the need arise.



GRAPHICS & LOWER CASE CHARACTER GENERATOR FOR THE APPLE II COMPUTER

+ Normal & Inverse Lower Case.

+ 2 complete character sets on board.

+ Graphics character font built in. + Expansion socket allows access to

external character sets. + 2716 EPROM compatible char generator. + More supporting software. (on diskette)

+ Keyboard +Plus & Graphics +Plus designed around the Lower Case +Plus.

# keyboard buffer



& SHIFT KEY UPPER/LOWER CASE CONTROL

+ More buffer than others. + Clear buffer control. + SHIFT key entry of upper/lower case. t Basy CTL key access to special chars + Allows BASIC programs with standard INPUT to support Lower Case without software modification. + A lower case adapter is required to display lower case.

62

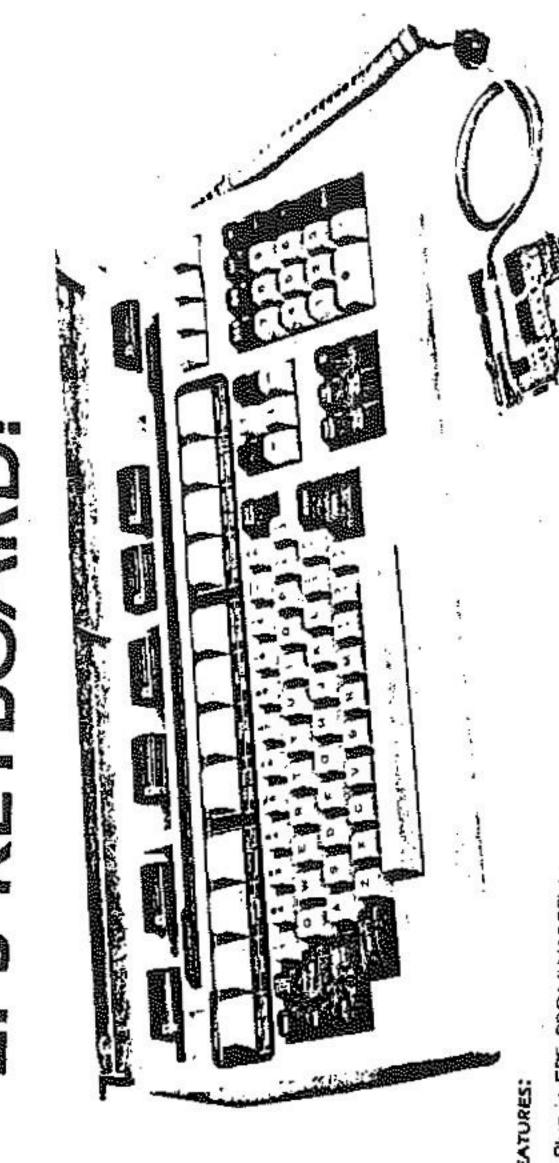
e er villig frankrippelareten.

1791-G Capital Corona, CA 91720/ (714)735-1041

# MODEMS LIST AAA\$

Communications can be a Baudy Bitch!

IBR N	ITEM	LIST	AAA\$	NMBR N	ITEM	LIST	AAA
				54		•	
	** ANCHOR AUTOMATION				** MICROCOM		
	MARK I 300 BAUD RS232	99	84	2091	PCS/1200 W/64K RAM	995	850
	TABL OFF 300 BADD KOZOZ	150	115	2090	PCS/300 W/64K RAM	695	601
	MARK VIII 300/1200 BAUD RS232 POWER SUPPLY-115VAC TO 9VDC	399 10	299 9	2092	RX/1200-ERROR CORRECTING MODEM RX/300-ERROR CORRECTING MODEM	895 495	765 434
				*0 *0	** MULTI-TECH SYSTEMS		
	** CALIFORNIA COMPUTER SYSTEMS			2214	BREAKOUT MONITOR MT25 RS232C MDDEM II FOR APPLE	149 399	103
(20	ASYNCHRONOUS COMM CARD 7710-02	135	121	2212	MULTI-MODEM II (AVAIL LATE FALL)	•	
	** HAYES MICROCOMPUTER PRODUCTS	ū			** NOVATION		
		5	8735000000000000000000000000000000000000	2281	APPLE CAT EXPANSION	39	35
26	CHRONOGRAPH SERIAL		204	2271	APPLE CAT II	389	301
19.7	MICROMODEM II	379 409	293 324	2277	APPLE CAT II 212 SYSTEM	725 389	657 364
	MICROMODEM II W/TERMINAL PGM MMII PROGRAM	15	13.	227 <i>6</i> 2272	APPLE CAT II 212 UPGRADE KIT AUTO CAT	249	238
	MMII TERMINAL PROGRAM	99	લ્ક	2278	AUTO CAT 212-SERIAL STAND ALONE	695	
27 24	SMARTMODEM 300 SERIAL	289	236	2283	BSR CONTROL (REQ EXP MOD)	19	19
	SMARTHODEM 300/1200 SERIAL	699	554	2284	CASSETTE REC CABLE (REQ EXP MOD)	8	{
25 みつ	" Terminallym	99		2273	CAT-ACOUSTIC SERÍAL	189	
				2288	COMM SOFTWARE	29	277
	** INTRA COMPUTER			2274	D CAT-DIRECT CONNECT SERIAL	199	
				2289	EIA CABLE FIRMWARE DEAF	29	25
29	ASYNC NULL MODEM ANM!	28	26	2287 2286	FIRMWARE ROM	29	
	CABLE CONFIGURATOR CC1	60	55	2282	HANDSET	29	25
7.000	F-F SEX CHANGER SC2	28	26	2292	INFONE EXECUTIVE .	945	864
	LINE MONITOR LM1	40		2291	INFONE MAXI	1150	
1 100 000	M-M SEX CHANGER SC1 MODEM ELIMINATOR ME1	28 350	26 304 .	2275	J CAT-300 BAUD SERIAL	149	
******** * * * * * * * * * * * * * * *	PROGRAMMABLE SERIAL ID CARD	200		2279	SMARTCAT-1200 BD 103/212 SERIAL	595	
	RS232 CURR LOOP CONVERTER CLIP	85		2280	SMARTCAT-300 BAUD 103 SERIAL	249 15	208
				2290 2285	SUPER MIKE TOUCH TONE RECEIVER	99	
	** LEXICON			. 2200	, DDG!	*****	
	<u></u>		475		** SSM MICROCOMPUTER PRODUCTS		
AND THE PERSON AND	LEX-11 ACQUSTIC MODEM RS232	200	135 167				
	LEX-11 MODEM & CHARGER RS232 LEX-12 DIRECT MODEM RS232	200			> TPAKS include "THE SOURCE"		
	EEX-12 DIRECT HODEN ROZUE		-0,	2964	AMC300 MODEMCARD W/SOURCE	325	
				2952	COMPAK 1-TS1/AIO II/ACS02	289	
	** M&R ENTERPRISES			2953	COMPAK 2-TS2/AIO II/ACS02	339 299	25 <i>6</i> 261
				2954 2947	INTERNAL MODEM CARD TPAK 1-TS1/MODEMCARD	388	
45	SUP'R ACCESS-MODEM & 7 R5232 PTS			2950	TPAK 2 PLUS-TS2/ASIO/MODEM 1200	999	811
	W.	8		2948	TPAK 2-TS2/MODEMCARD	448	
				2951	TPAK 3 PLUS-T53/ASIO/MODEM 1200	1100	902
				2949	TPAK 3-TS3/MODEMCARD	569	
				2955	TRANSMODEM 1200, EXTERNAL	695	554
				194B	CROSS OVER 232/24 SWITCH	240	215
	**************************************	er en		1949	CROSS OVER VIDEO/BNC SWITCH	140	126



66

S S S S S S S

Option;

Yes Yes rtial rtial

PRINTER PAPER

Add Shipping-See P 73

NMBR N ITEM ** STAR FORMS > ADD FREIGHT --- SEE UPS CHART!! > ALL REGISTER BOND PAPER BOND 15# 3300 SHT 9.5%11 BOND 15# 3300 SHT 9.5x11 GRNBAR BOND 15# 3500 SHT 15x11 BOND 15# 3500 SHT 15x11 GRNBAR BOND 20# 2550 SHT 9.5x11 BOND 20# 2550 SHT 9.5x11 DISPERF BOND 20# 2700 SHT 15x11 SAME AS 2974 AND PUNCHED 3 HOLES ^ BOND 15# 1500 SHT 15x11 GRNBAR ^ BOND 15# 1500 SHT 9.5x11 ^ BOND 20# 1250 SHT 9.5x11 DSPRF ^ MINI-PAK CARTONS ** TRENDCOM TRENDCOM 100 BLACK IMAGE 85' RL TRENDCOM 200 BLACK IMAGE 85' RL

# MAILING LABELS

# PAPER CARTS

** RING KING VISIBLES PAPER WAGON 12x16x2.5 DW1216 PAPER WAGON 32" PULL HANDLE DWHD

** STANART LABEL 1 UP 05M/BOX P35-1 LABEL 2 UP 10M/BOX P35-2 LABEL 3 UP 15M/BOX P1525-3 LABEL 3 UP 15M/BOX P35-3 LABEL 4 UP 20M/BDX P35-4

# PRINT-OUT BINDERS/POSTS

2967/68/69/70

** ABA SYSTEMS BINDER POSTS & SCREWS ASSTD 500 ** RING KING VISIBLES > P/O MEANS PRINT OUT TEN P/O BINDERS 11x15 B 1114B TEN P/O BINDERS 12X8.5 UB 1285B TEN P/O BINDERS 15x11 UB 14118 TEN P/O BINDERS 8.5x11 B 1185B TEN P/O BINDERS 8.5X11 UB 85118 TEN P/O BINDERS 9.5X11 UB 95118 160 "BINDER CADDY 36" CAP D36W 14 2710 ^CASTERS FOR BINDER CADDY

Z NONE

PRINTER DUST COVERS

LIST AAA\$

) CLEAR PLASTIC DATASOUTH 180 DEC LA34/38 W/PAPER ROLL DEC LA34/38 W/TRACTOR DEC LA35/180/78 DEC LA36/LS120/LA120 EPSON MX80/70 IDS 440/445/460 IDS 560/PRISM 132 MANNSEMAN TALLY T1602 MANNSEMAN TALLY T1612 NEC 739 W/PAPER ROLL OKIDATA ML82/82A OKIDATA ML83A/84 PROWRITER 1 - 8510 PROWRITER 2 - 1550 STARWRITER/PRINTMASTER F10 ** SOUTH COAST ENTERPRISES > TAN PLASTIC ANADEX 9500/9501 CENTRONIC 730/737/739 EPSON MX70/80 IDS 440/445/460

> DISK TOO SHALL PASS.

"B" Ribbon Cartridges are in stock

in Red, Blue & Green \$7 each!

SCANSET MINI - A

2396 SILVER REED EX55/3M901 - N

DIGITAL DECPRINTER 1 - Z

DIGITAL DECWRITER 1/2 - 7

DIGITAL LAISO METAL - Z

DIGITAL LA30/36/40 - Z

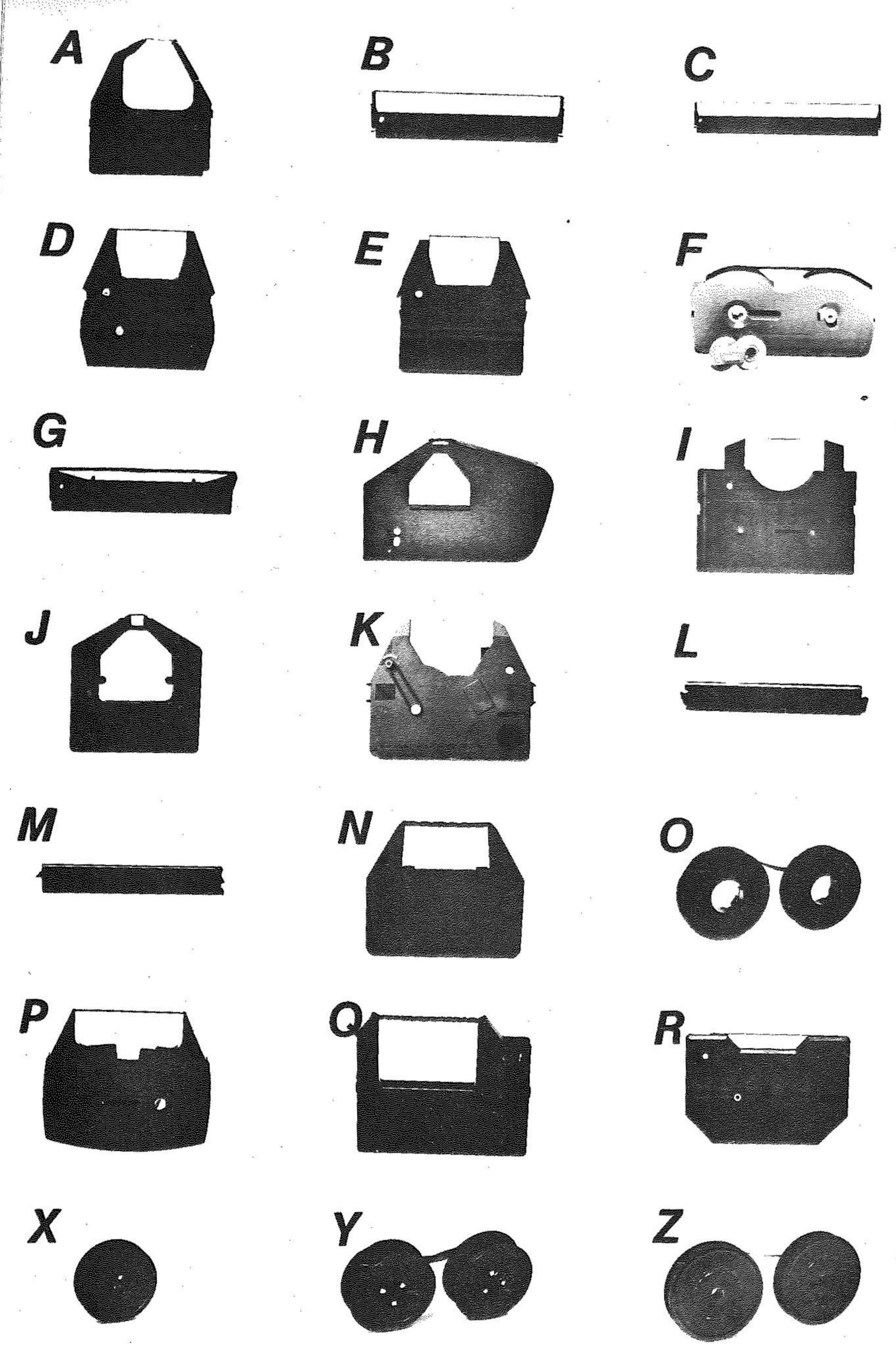
DIGITAL LASO - A

DIGITAL LOP-01 - D

DIGITAL LOP-02 - I

DIP 81/82/84/856 - 6

16



COUND T	'	n 0		~ A ~ A ~ A
SOUND T			ÚMBB U	TABLE S
BR N ITEM	L151	AAA\$	NMBR N	1 I E M
** QUIETPRINT	_		•	** BI-TECH ENTERPRISES
ORDER DIRECT  ** TRACE SYSTEMS  SOUNDTRAP & STAND/BOCOL PRINTER	- 120	101	1286 1287 1284 1285	CLEAR PLEXIGLAS STANDS  LARGE SIZE-MX100+ ETC  LARGE W/PAPER SHELF  REGULAR SIZE-MX80 ETC  REGULAR W/PAPER SHELF
SOUNDTRAP FOR BOCOL PRINTER	129 109	101 95		
		*		** C&C CONSULTANTS
** VAN SAN	- 195 450	150 338	1311	CLEAR GREEN ACRYLIC Lestand Ls-1 16x13x4 Lestand Ls-2 24x13x4
CENTRONICS 122/152/739 CENTRONICS 737/159	230 195	177 150		** DANA INDUSTRIES
DEC LA34/38	450	338	1657	UNITED CAL DOTATED CTAND
DEC LA36/LS120 DEC LA50	395 195	296 150	1557	UNIVERSAL PRINTER STAND
DIABLO 31/32 DIABLO 630 W/SHEET FEEDER	230 495	177 371		** FMJ
DIABLO 630RO	450	338		
EPSON MX100	230	177	1789	PRINTER PAL PIOO 21Wx13Dx5H
EPSON MX70/MX80 - FACIT 4540/4526/DATAROYAL 5000	195 450	150 338	1790 1788	PRINTER PAL P700 23Wx16Dx6H PRINTER PAL P80 14Wx13Dx4H
IDS 560 LINE	450	338	1,00	
IDS MICRO PRISM	195	150		3
MANNSEMAN TALLY 1612/1602 RD	450	338		** RING KING VISIBLES
NEC 8023A-C OKIDATA 80/82A OKIDATA 83/84	195 195 230	150 105 177	2717	BRONZE PLEXIGLAS 18Wx120x5H
RADIOSHACK DMP100/200/400 RADIOSHACK DWP410	195 230	105 177		** SOUTH COAST ENTERPRISES
RADIOSHACK II/IV/VII/VIII	195	105	***	~~-~~-~~-
SONY SMI-7020	195	105	2910 2911	SMOKE PLEXIGLAS 13X16 SMOKE PLEXIGLAS 13X24
		10	2912	SMOKE PLEXIGLAS 17X24
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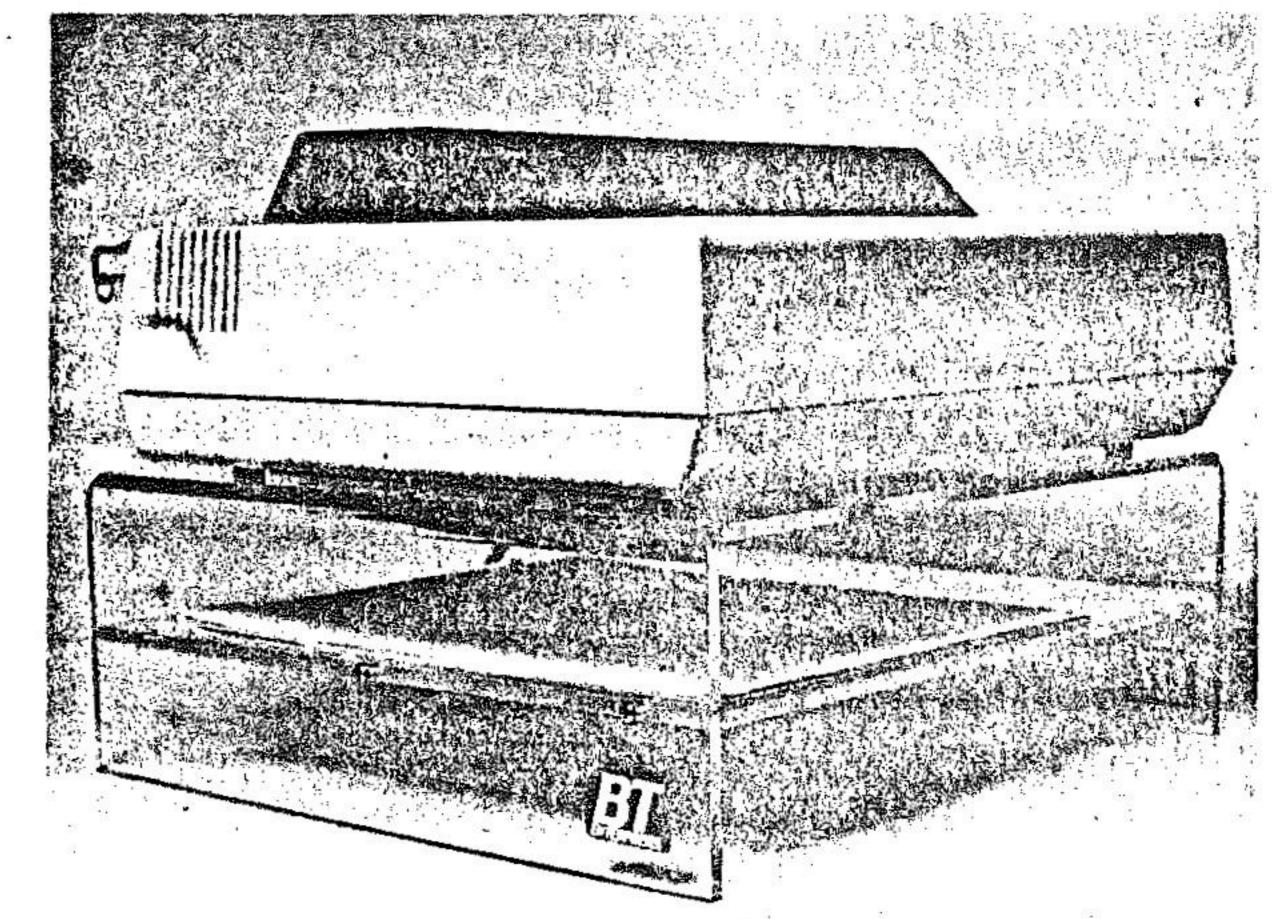


TABLE STANDS

LIST AAA\$

749 623

1299 1175

1995 1781

995 910

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1250 1042

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145 121

NMBR N ITEM

LIST AN

				• <b>• •</b> •
		** ENTER COMPUTER		
	1719	SWEET-P PLOTTER PARALLEL	- 70=	
	1726	APPLE CABLE	795 40	6
	1720	APPLE INTERFACE	85	31
	1721	BPS BUSINESS GRAPHICS	175	, 7
	1728	GRAPH PAPER 1-100 SHEET PAC	8	160
8	1724	GRAPH PAPER 6-100 SHEET PACS	45	
	1734	PENHOLDER SPC 8	3	J
	1730	PENS BLACK 4 PAC	10	
	1732	PENS COLOR TRANSPARENCIES 4 PAC	13	9 12
	1731	PENS COLORS 4 PAC	10	
	1723	PENS COLORS 6 PAC	58	49
	1722	PENS TRANSPARENCIES 4 COLORS	77	
	1733	PENS TRANSPARENCIES 4 PAC	13	64
	1727	PIK DISK		(7
	1729	TRANSPARENCIES 1-10 SHEET PAC	30	91 24
	1725	TRANSPARENCIES 6-25 SHEET PACS	180	150
		** VERSA COMPUTING		
	3248	VERSAWRITER GRAPHICS TABLET  ** YOKOGAWA	299	263
	3389	GM2000 GRAPHMATE II		
950	3391	MICRO-DISC 5 PCS/SET	2950	
	3390	MICRO-DISC UNIT	44	
	7707		985	-62

PL1000 X-Y PLOTTER RS232 W/GRAPH 1365

PL2000 X-Y PLOTTER RS232 W/GRAPH 2265

### First There Was Word Processing.

** STROBE

3020

3016

3015

3019

GRAPHICS PLOTTER MIGO PARALLEL

^DIFPLOT-VISICALC LINE CHARTS

GRAPHICS PLOTTER MIDO SERIAL

^BUSINESS GRAPHIC SOFTWARE

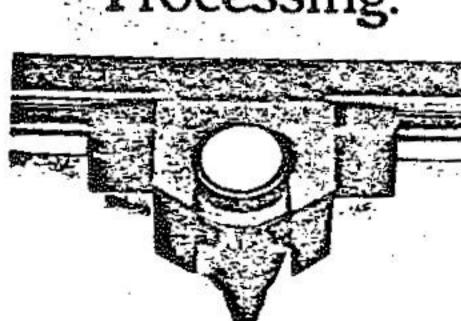
ASCREEN DUMP PIXEL BY PIXEL

^STROBEVIEW GRAPHIC SOFTWARE

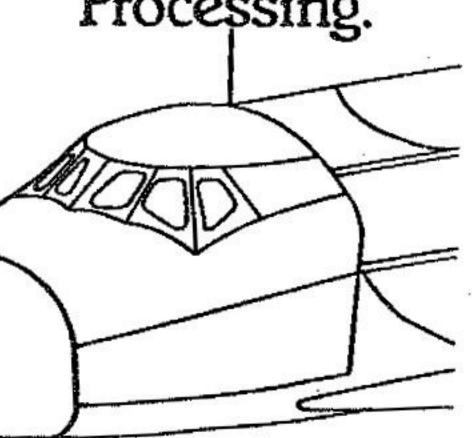
^PARALLEL CARD-APPLE II

*SERIAL CABLE RS232

^SERIAL CARD RS232



Now There Is Picture Processing.



Introducing the Sweet-P Personal Plotter. Because a Picture Is Worth a Thousand Words.

> for Your Every Graphic Need. Sweet-P draws supenor hard copy graphics with super-fine plotting resolution and line. quality. Virtually every graphic formatyouwill ever need is provided. Colorful pie charts, bar

graphs, straight and curved line graphs. Illustrations and alphanumeric labeling What's more, with commercial graphics software, mountains of statistics from Visi-Vour Sweet-P Personal Plotter for Calco, SuperCalco and DIFo files can be graph processing, engineering reduced to clear, concise business graphs. graphics, and overhead On plain bond paper. On overhead transparency material. In just a few minutes. transparencies. And once stored in memory, any And all for \$795. graph can be edited and redrawn with a

few simple keystrokes. We've not only made the incompara-ble Sweet-P Personal Plotter very afford-But there's more. Graphic and engineering symbols that you frequently use may be able, but also very easy to use. Hook-up programmed into memory and recalled to your personal or small business comwith a keystroke. Your company tradeputer is smooth and convenient. And mark, for example, is easily drawn with the learning how to use the full range of intelligence of Sweet-P performance. Sweet-P capabilities is a snap. In fact,

plotter users-even if they never have seen a computer before. Sweet-P is a high-speed, high quality graphics department right at your fingertips. And, it has a price tag that's easy to live

Sweet-P has been considerately

designed to complement first-time

raw on Sweet P

# 

If a new disk bought from 3A is faulty on EITHER side we will replace it or refund your money! Multiply the price shown for one disk by the quantity you want. Order only in multiples of 10 disks.

Mix any brands or types of 5-1/4" disks to attain the quantity price.

BULK means new disks with reinforced hub and envelopes, but without label or box.

HR means Reinforced Hub (Hub Ring).

* Ten (10) disks in plastic box. (Not the usual 'library box'.) ▼ Verex -23862 are designed for Apple only. While supply lasts.

Single/Double Density means 35 or 40 Tracks at 48 TPI.

Quad Density means 77 Tracks at 100 TPI and 80 Tracks at 96 TPI.

Double Side disks are designed for disk drives with two (2) Read/Write Heads.

Quad Density & Double Density disks are designed for disk drives with special Read/Write Heads.

Any Single, Double or Quad Density disk, Single or Double Sided disk, and Soft or Hard Sectored disk is suitable for use in Apple Disk II drives!

REVERSIBLE (Flippy) means the 5-1/4" disk is notched on both edges and certified for use on both sides in Apple compatible disk drives¹

Disks are arranged by price-lowest to highest.

NMBR	SINGLE SIDE - SINGLE DENSITY	10-70	100+	<u>200+</u>	400+	<u>B00+</u>	1000+
	Opus 501 HR BULK (formerly Media)	1.55	1,50	1.45	1.40	1.35	1.30
3471	Wabash MIIAZIIX HR BULK	1.60	1.55	1.50	1.45	1.40	1.35
3472	Wabash MilAZIIX HR	1.65	1.60	i,55	1.50	1.45	1.40
3473	Sentinel 58-11 HR	1.75	1.70	1.45	1.60	1.55	t.50
3474	Elephant 111% HR BULK (EMS 1)	1.75	1.70	1.65	1.60	1.55	1,50
3475 3474	Elephant EMS 1 HR	1.85	1.80	1.75	1.70	1.65	1.60
3476 3476	BASE - Orange Box	i.90	r.85	1.80	1.75	1.70	1.65
3477	Opus 501 HR	1.70	1.85	1.80	1.75	1.70	1.65
3478	Athana 474001 HP	2.10	2.05	2.00	1.95	1.90	1.85
3479	Omni 511 HR	2.15	2.10	2.05	2.00	1.95	1.90
3480	Verbatia Verex MD200-01-23534 HR	2.20	2.15	2.10	2.05	2,00	1.95
3480	★ Verbatim Verex MD200-01-23862 HP	12.15	2.10	î.05	2.00	1.95	1.90
3481	UltraMagnetics 50001 HR	2.35	2.30	2.25	2.20	2.15	2.10
3482	Dysan 104/1	3.35	3.30	3.25	3.70	3,15	5.10
3483	Dysan 104/1 HR	3.40	3,35	3.30	3.25	3.20	3.15
	Arem Bound Scholly	10-90	100+	200±	400÷	800+	1000+
NMBR	SINGLE SIDE - DOUBLE DENSITY	+					
	(2) (2011)	20 <b>6</b> 0		. 75	. 70	1.65	1.60
3484	Syncom 15353 HR	1.85	1.30	1.75	1.70 1.75	1.70	1.65
3485	UltraMagnetics 51401 HR BULK	1.90	1.85	1.80	1.70	1.75	1.70
3486	Sentinel 55-12 HR	1.95	1.90	1.85	1.80	1.75	1.70
3487	Wabash M13A211X HR	1.95	1.90	1.85	1.85	1.80	1.75
3488	BASF 54968 HR Orange Box	2.00	1.95	1.90 1.90	1.85	1.80	1.75
3489	Elephant 222% HR BULK (EMS 2)	2.00	1.95	2.00	1.95	1.90	1.85
3490	Opus 520-01 HR	2.10	2.05	2.05	2.00	1,75	1.90
3491	Elephant EMS 2 HR	2.15	2.10	2.05	2.00	1.95	1.90
3492		HF 2.15	2.10	2.10	2.05	2.00	1.95
3493	Accutrack 5520 HR	2.20	2.15	2.15	2.10	2.05	2.00
3496		2.25	2.20	2.10	2.15	2.10	2.05
3497		2.30	2.25	2.25	2.20	2.15	2.10
3499		2.35	2.30 2.45	2.40	2.35	2.30	2.25
3502		± 2.50	2,45 2,40	2.40	2.30	2.25	2.20
3500	UltraMagnetics 51401 HR	2.45	1,40	E400	1.00		
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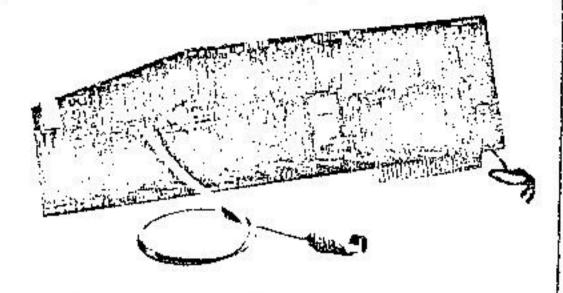
# ORDER FORM

Hex Computing: Mail Orders 17 Irvine Street, Peppermint Grove.

TTPMC	TEL CALL	KING FOR QUOTE.						Beancy of Core	
ITEMS:	PAGE	MILLOTOLIO						Peppermint Grove,	
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Books	17 & 1	2.1	Joysticks			en se		The state of the s	
Chips & Tools	7-10	2.0		45-45			VAV Putil	TOTAL COST	
Cleaning Kits for:	27	2.1	Keyboards	62 € €	14	• 9. <del></del>			
Computer :			Keyboard Buffers	62-63		• A*			
Disk Drive	26	2.1	Keypads	62-64	2	·0			*
Keyboard	26	2.1	Light Pens	<u></u>		• 0			
Monitor	52	2 1	Lower Case Adaptors	52-64	Please	EN			
Printer	93	2.1	"Nodems		2,	0			
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Tape Drive	19		Personal Domain Softw	97-99	Planca				
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Computer Carrying Ca	1596 11	2.3	Printer Cards	88-89,	93 2	n 🖟			
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Disks	47 & 126	1.8	Public Domain CP/M	148	SS Auch	ALTH DOST	CODE:		
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Disk Drives	17	2.0	Public Domain Pascal						
Disk Envelopes	28-35	2.1	Public Domain Driggs			ANKCARD NO:			
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Dust Covers for:	27	2.1	System	ธต					
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Computers	12	12.2	Slot Extenders		2. p				
Disk Drives	25	12.2	Tools	47-48	2.0			Don Pugh	0.50
Monitors	98	12.2	Turntables	27	2.1			Hex Computing: Mail Ord	ers
Printers	59	12.2		42				17 Irvine Street,	24
Choon Public Domain	14	12.2	į					Peppermint Grove,	
Electrical	£	2.0						W.A. 50	]]
-Anti-Static Spray	25 p							Ph: (09) 384 9043	
-Ocuer	36-41	Please phone				Dear Don,		4- a	
Function Strips	53 53	**************************************				Please order	the following goods for me and pos	·L·	
Game Paddles	***	15	*		•			or stor too toogst cocks	
Game Port Extenders	45-45	2.0				ITUM:	AAA\$ M	ULTIPLIER TOTAL COST	
oraphic Tablets	20	2.6							
Input/Output Cards:	72	2.0							
00 Column		100.000							
ND Joh Carde	49-50	2.5							
ND Lab Cards Clock & Timer	47	2.0							
CP/M (Z 80)	52-53	2.0							
CPU Cards	49-51	2.0							
AultiParction	47-48	2.0				Enclosed ole	ass find checue/Bankcard/order for	\$	
Music Cards	52-53, 91	2.0				Please read	ease find cheque/Bankcard/order for policy statements on pages 3 and 4	prior to ordering.	
Other Cards	47	2.0				case reary	portey searcheries on payors s		
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# VISION 80° Video Display Card



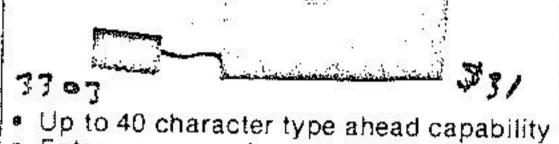
- Full upper and lower case character capability with 3 dot descenders
   9x10 dot matrix per line U.S. (9x11)
- Europe)

  128 ASCII character set
- BASIC, FORTRAN and Pascal languages supported
- Z80'* and CP/M'* compatible
   Compatible with all standard Apple**
- Shift and lock for upper and lower case
   Source switches between 40x24 and 80x24 software and hardware
- Rated #1 video card by Soltalk and Call Apple

3305

Bay

MODEL 150°
Type Ahead Buffer

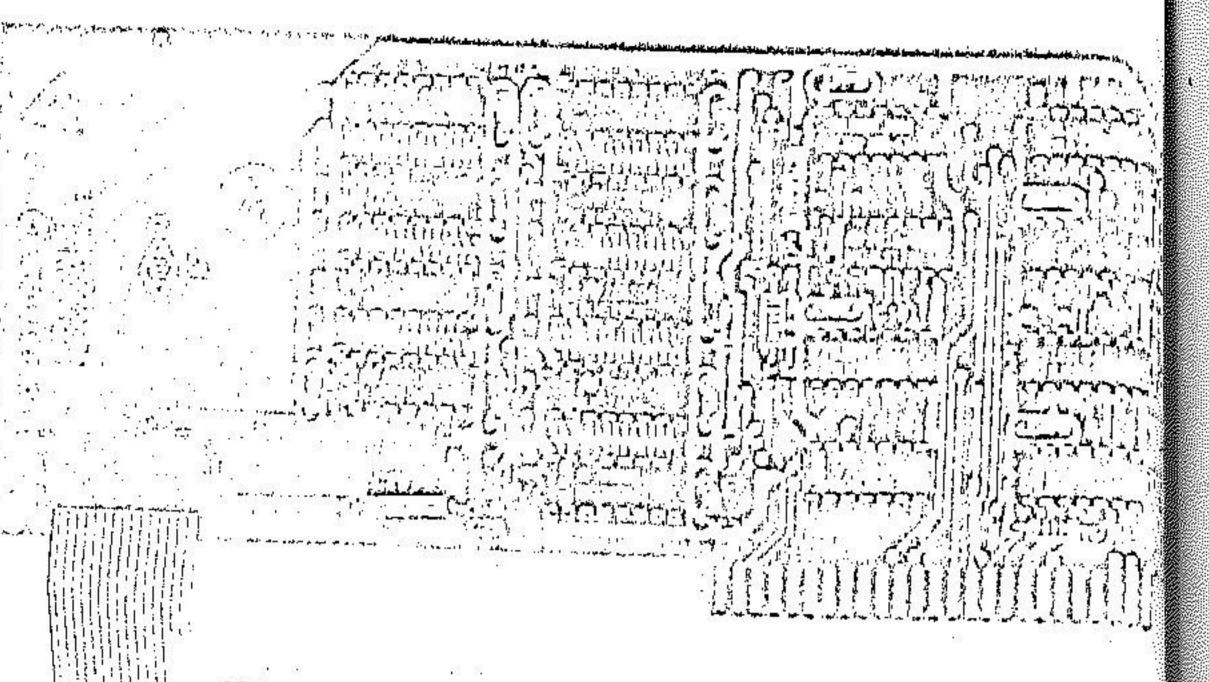


- Enter commands or data while your
   Apple is processing previous instructions
   Compatible with all Apple computers, keyboards and software
- No cuts no jumpers no software patches required
- Includes complete instructions for quick and easy installation



This Nibbling Tool is perfect for cutting, trimming, or notching sheet metal up to 18 gauge. It operates like a punch and die and also works well on aluminum or plastic up to 1/16" thick. This tool can be a real time-saver for our customers when working on chassis, printed circuit boards and prototype model parts. Size: 6-1/2"

Nibbling Tool ..... \$ 2





16K Card Special sa

### FEATURES

- 16K byte memory expansion card for the Apple Computer.
- Completely compatible with Apple Computer software and hardware.
- Runs at the same speed as Apple memory products.

# DSI-A15 INSTALLATION INSTRUCTIONS

> TURN THE POWER OFF

Since you will need to go inside your APPLE it is important for your safety: integrity of the devices inside the APPLE that the power be off when remove installing any component.

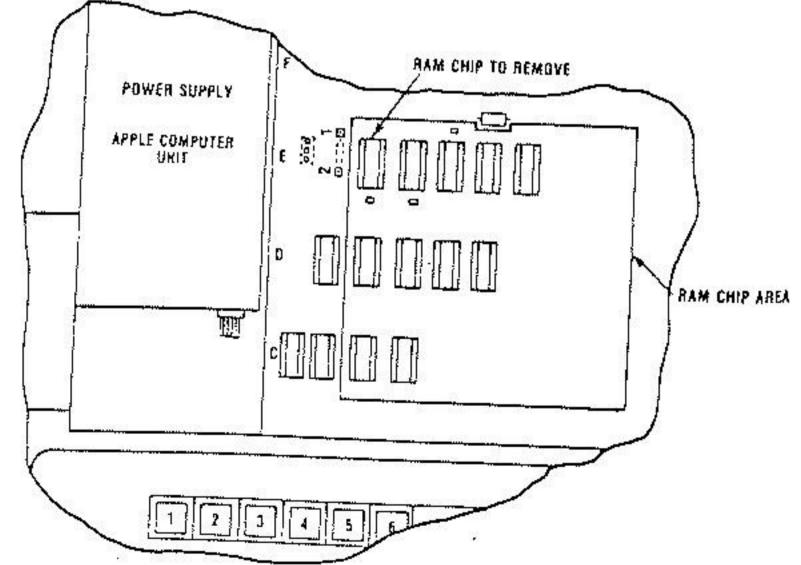
> REMOVE THE COVER FROM YOUR APPLE

The cover of the APPLE is fastened with plastic snaps at the back edge and under the front edge. To remove the cover pull up firmly on the rear edge. Whe snaps release be careful that the edge you're holding does not rise more than one inch.

Slide the cover toward the rear of your APPLE to expose the interior.

REMOVING A CHIP

Installation of DSI-A16 requires that one of the chips in the APPLE be removed locate the chip look inside your APPLE and locate a large white or gold square circuit board. This square is about 4"x4" and surrounds an area 8 chips by 3 clips b



16K Card Special 40\$

## LEMON LIME, etc.

### ELECTRONIC PROTECTION DEVICES

AC Power Line Filters with 3 to 6 outlets that fit into any standard three-wire duplex outlet plug. This is the most convenient solution to surge protection for your computer.

P/N	DESCRIPTION	LIST	
PLUM	3 Outlets Wall Plug	\$ 49.50	\$ 4°0
LEMON	6 Outlets Wall Plug	59.95	جومو
LIME	Lemon w/5' Cord & Switch	89.50	71
ORANGE	Lime w/EMI/RFI	139,95	108
PEACH	6 Outlets w/EMI/RFI	97.50	77

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						8*	12
NMBR .	SINGLE SIDE - DOUBLE DENSITY	10-90	100+	200+	400+	<del>800+</del>	1000+
	<u></u>			<b></b>			
3495	Memorex 3481 HR (Sale thru Jan 84!)	2.25	2.20	2.15	2.10	2.05	2.00
350 l	Memorex 3481 HR	2.45	2.40	2.35	2.30	2.25	2.20
3494	BASF 54974 HR Qualimetric	2.45	2,40	2.35	2.30	2.25	2.20
3503	IBM 3451	2.60	2.55	2.50	2.45	2.40	2,35
349B	Maxell MD1-M (Sale thru Sep 30!).	2.30	2.25	2.20	2.15	2.10	2.05
	BOOK CONTRACTOR SAND BUT SAND TO US TO CONTRACTOR DESCRIPTION FROM A CONTRACTOR	2.60	2.55	2.50	2.45	2.40	2.35
3504	Makell MD1-H		2.60	2.55	2.50	2.45	2.40
3505	TDK MID-S	2.65			2.60	2.55	2.50
3506	Wabash MIBAZIIX HR REVERSIBLE	2.75	2.70	2.65	**************************************	2.65	2.60
3507	Opus 521-01 REVERSIBLE	2.85	2.80	2.75	2.70		2.40
J508	Memorex 3480 HR (Sale thru Jan 84)		2.60	2.55	2.50	2.45	100-50-00 DOS-00
3508	Memorex 3480 HR REVERSIBLE	2.90	2.85	2.80	2.75	2.70	2.65
3509	Omni 551 REVERSIBLE	3.20	3.15	3.10	3.05	3.00	2.95
3510	Dysan 104/1D	3.50	3.45	3,40	3.35	3.30	3.25
3511 _.	Verbatim Optima XL614-01 HR	4.70	4.65	4.60	4.55	4.50	4.45
	,	*	ati			10	
NMBR	SINGLE SIDE - QUAD DENSITY	10-90	100+	200+	400+	800+	1000+
3180	Opus 545-01 HR	2.45	2.40	2.35	2.30	2.25	2.20
3181	Sentinel 55-14 HR	2.45	7.40	2.35	2.30	2.25	2.20
3182	Syncom 15500 HR	2.55	2.50	2.45	2.40	2.35	2.30
3181	Elephant EMS 8 HR	2.60	2.55	2.50	2.45	2.40	2.35
	The section of the Control of the Section of the Se	2.75	2.70	2.65	2.60	2.55	2.50
5183	UltraMagnetics 51801 HR	2.80	2.75	2.70	2.65	2.60	2.55
.3134	Wabash M15A211X HR		3.05	3.00	2.95	2.90	2.85
3186 ******	Scotch/3M 746-0	3.10			3.00	2.95	2.90
3188	Verbatim MD577-01-18212 HR	3.15	3.10	3.05		3.00	2.95
3185	Coni 541 HR	3.20	3.15	3.10	3.05		
3187	Maxeli MDi-DD	3.25	3.20	3.15	3.10	3.05	3.00
3189	Memorex 3504 HR	3.25	3.20	3.15	3.10	3.05	3.00
3125	Dysan 204/1D -	4.15	4.10	4.00	3.95	3.90	3.85
	wave, a seek weken askatsi	10 00	100	<u></u> ስለለ i	**************************************	800+	1000+
NABE	DOUBLE SIDE - DOUBLE DENSITY	10-70	100+	200+	400+	000	1000
		~ 4 E	2.40	2.35	2.30	2.25	2.20
3166	Sentinel 55-22 HR	2.45		2.45	2.40	2.35	2.30
3166	Syncom 15400 HR	2.55	2.50	2000 W8500	2.45	2.40	2.35
3167	Sentinel 5FD-22 HR REVERSIBLE	2.60	2.55	2.50			2.40
3165	Elephant EMS 5 HR	2.65	2.60	2.55	2.50	2.45	
3173	BASF 54624 HR Orange Box	2.70	2.65	2.60	2.55	2.50	2.45
3167	Wabash M14A211X HR	2.80	2.75	2.70	2.65	2.60	2.55
3148	Opus 535-01 HR	2.85	2.80	2.75	2.70	2.65	2.60
3170	Scotch/3M 745-ORH HR	2.95	2.90	2.85	2.80	2.75	2.70
3174	Verbatim MD550-01-18188 HR	3.15	3.10	3.05	3.00	2.95	2.90
3171	Omni 531 HR	3.20	3.15	3.10	3.05	3.00	2.95
3174	BASF 54980 HR Qualimetric	3.25	3.20	- 3.15	3.10	3.05	3.00
3172	IBM 3450	3.25	3.20	3.15	3.10	3.05	3.00
3169	Memorex 3491 HR (Sale thru Jan 84)	2.95	2.90	2.85	2.80	2.75	2.70
3175	Memorex 3491 HR	3.25	3.20	3.15	3.10	3.05	3.00
3176	UltraMagnetics 52401 HR	3.65	3.60	3.55	3.50	3.45	3.40
3175	Maxell MD2-DM	3.85	3.80	3.75	3.70	3.65	3.60
3177	TDK MZD-S	3.85	3.80	3.75	3.70	3.65	3.60
3178	Dysan 104/2D	4.10	4.05	4.00	3.95	3.90	3.85
317 <b>0</b> 3179	Verbatis Optima XL624-01 HR	5.95	5.90	5.85	5.80	5.75	5.70
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NMBR	DOUBLE SIDE - QUAD DENSITY	10-20	<u>100+</u>	<u> 200+</u>	400±	800+	<u>1000+</u>
	179						
3190	Sentinel 55-24 HR	3.15	3,10	3.05	3.00	2.95	2.90
3190	Elephant EMS 10 HR	3.15	3.10	3.05	3.00	2.95	2.90
3191	Opus 555-01 HR	3.20	3.15	3.10	3.05	3.00	2.95
3192	Syncom 15600 HR	3.25	3.20	3.15	3.10	3,05	3.00
3194	Maxell MD2-DD	3.90	3.85	3.80	3.75	3.70	3.65
3195	Dani 571	3.90	3,85	3.80	3.75	3.70	J.65
3199	Verbatim MD557-01-18239 HR	3.90	3.85	3.80	3.75	3.70	3,65
3196	UltraMagnetics 52801 HR	3.95	3,90	3.85	3,80	3.75	3.70
3197	Wabash M16A211% HR	4.00	3.95	3.90	3.85	3.80	3.75
3198	Scotch 3M/747-0	4.00	4.05	4.0 <del>0</del>	3.95	3.90	3.85
3199	Memorex 3501 HR	4.15	4.10	4,05	4.00	3.75	3.90
3200	Dysan 204/2D	4.70	4.65	4.60	4.55	4.50	4,45

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If a new disk bought from 3A is faulty on EITHER side we will replace it or refund your money! Multiply the price shown for one disk by the quantity you want.

Order DNLY in multiples of 10 disks.

Mix any brands or types of 8" disks to attain the quantity price.

Single/Double Density means 35 or 40 Tracks at 48 TFI.

Double Side disks are designed for disk drives with two Read/Write Heads.

HR means Reinforced Hub (Hub Ring).

Very few 8" disks are in stock. Expect 2-J weeks delivery time,

Disks are arranged by price-lowest to highest.

	NMBR	SINGLE SIDE - SINGLE DENSITY	10-20	100÷	200+	400+	<u>800+</u>	<u>1000+</u>
	3515	BASF 53428	2.15	7.10	2.05	2.00	1.95	1.90
33	3516	Wabash F11	2.15	7.10	2.05	2.00	1.95	1.90
	3517	Elephant EMS 80	2.20	2.15	2.10	2.05	2.00	1.95
	3518	Opus 8011101 HR	2.25	2.20	2.15	2.10	2.05	2,00
,	3519	Sentinel 85-11C	2.30	2.25	2.20	2.15	2.10	2.05
99	3520	Wabash F31-32 Sector	2.30	2.25	2.20	2.15	2.10	2.05
	3521	Scotch 740-0	2.40	2.35	2.30	2.25	2.20	2.15
	3522	Scotch 740-32	2.40	2.35	2.30	2.25	2.20	2.15
	3523	Syncom 15006 HR	2.40	2.35	2.30	2.25	2,20	2,15
	3524	Memorex 3062	2.60	2.55	2.50	2.45	2.40	2.35
C.	3525	Omni 8140	2.60	2.55	2.50	2.45	2,40	2.35
	3526	Verbatim Verex FD34-1500-22991	2.60	2.55	2.50	2.45	2.40	2.35
	3527	Verbatim FD34-9000-22625 HR	2.90	2.85	2.80	2.75	2.70	2.65
	3528	Verbatim FD32-9000-22631 HR	2.90	2.85	2.80	2.75	2.70	2.65
	3529	IBM 5830 or 5845	3.00	2.95	2.90	2.85	2.80	2.75
ā	3530	Dysan 3740/1	3.50	3.45	3.40	3.35	3.30 -	3.25
		\$60°				E12 A14		10000

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MMBR	SINGLE SIDE - DOUBLE DENSITY	19-79	100+	<u> 200+</u>	400+	800+	1000+
3531	BASF 54548	2.50	2.45	2.40	2.35	2.30	2.25
3532	ūρus 8012107 HR	2.65	2.60	2.55	2.50	2.45	2.40
3533	Sentinel 85-12C	2.65	2.60	2.55	2.50	2.45	2.40
3534	Syncom 15050 HR	2.70	2.65	2.60	2.55	2.50	2.45
3535 3535	Wabash F13AZ	2.75	2.70	2.65	2.60	2.55	2.50
	Scotch 741-0	2.85	2.80	2.75	2.70	2.65	2.60
3536 2522	Scotch 741-32 Sector	2.85	2.80	2.75	2.70	2.65	2.60
3537	Strate a contract of the contr	2.90	2.85	2.80	2.75	2.70	2.65
7578 7570	Elephant EMS 87	3.10	3.05	3.00	2.95	2.90	2.85
3539	Memorex 3090	3.10	3.05	3.00	2.95	2.90	2.85
3540	Omni 8144		3.15	3.10	3.05	3.00	2.95
3541	Verbatim FD32-8000-22616	3.20	3.25	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	- 3.15	3.10	3.05
3542	Verbatin FD34-8000-22637 HR	3.30		3.20	3.15	3.10	3.05
3543	Verbatim FD34-8000-18137	3.30	3.25		185	3.25	3.20
3544	Maxeil FD1-128	3.45	3.40 3.40	3.35	3.30		3.20
3545	Maxell FHi-J2 Sector	3.45	3.40	3.35	3.30	3.25	3.45
3546	TDK	3.90	3.85	3.80	3.75	3.70	
3547	Dysan 3740/10	4.25	4.20	4.15	4.10	4.05	4.00
MHER	DOUBLE SIDE - SINGLE DENSITY	10-70	100+	<u> 200+</u>	<u>400+</u>	<u>800+</u>	1000+
3545	BASF 54228 (IBM Series 1)	2.15	2.10	2.05	2.00	1.95	1.90
3549	Opus 8013101 HR	2.75	2.70	2.65	2.60	2.55	2.50
3550	Scotch 740.2-0	3.55	3,50	3.45	3.40	3.35	3.30
3551	Omn: 8240	3.60	3.55	3.50	3.45	3.40	3.35
3552	Verbatim FD10-4026	3.85	3.80	3.75	3.70	3.65	3.60
NMER	DOUBLE SIDE - DOUBLE DENSITY	10-70	100+	<u> 200+</u>	400+	800+	1000+
3553	Syncom 15103 HR	3.05	3.00	2.95	2.90	2.85	2.80
3554	BASF 54673	3.15	3.10	3.05	3.00	2.95	2.90
3 <b>55</b> 5	Sentinel 85-22	3.15	3.10	3.05	3.00	2.95	2.90
3556	Cpes 6013306 HR	3.20	3.15	3.10	3.05	3.00	2.95
3557	Verbatim Verex DD34-1501-24635	3.25	3.20	3.15	3.10	3.05	3.00
3 <b>55</b> 8	Elephant EMS 90	3.35	3.30	3.25	3.20	3.15	3.10
3559	Wabash F14AZ	3.45	3.40	3.35	3.30	3.25	3.20
3560	Scotch 743-0	3.55	3.50	3.45	3.40	3.35	3.30
35 <b>6</b> 1	Memorex 3102	3.65	3.60	3.55	3.50	3.45	3.40
3562	Omni 8242	3.80	3.75	3.70	3.65	3.60	3.55
3563	Verbatim DD34-4001-18071	3.85	3.80	3.75	3.70	3.65	3.60
35 <u>4</u> 4	Verbatim DD32-4000-22619	3.90	3.85	3.80	3.75	3.70	3.65
35 <b>6</b> 5	Maxell FD7	3.95	3.90	3.85	3.80	3.75	3.70
3 <b>5</b> 66	Maxell FW2-32 Sector	3.95	3.90	3.85	3.80	3.75	3.70
		4.20	4.15	4.10	4.05	4.00	3.95
3567 7520	IBM 6872	4.30	4,25	4.20	4.15	4.10	4.05
3568 3568	TDK Dysan 3740/2D	4.90	4.85	4.80	4.75	4.70	4.65
3567	Dyban 3/4V/ID	7 2 / V	1: 14	I S W V	1		<del></del>
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			NO	87		'		NMBR 	N ITEM	LIST AAA\$	NMBR N		LIST	AAAs
	** ANADEX				19	** COMREX INTERNATIONAL			** INTEGRAL DATA SYSTEMS	*		UPS TUPSEDATISH SUSTAINS		
1116	ANADEX DP9000 150CPS 132COL		25 1369						** 141COUUT 50)U 6181200	#8		** NEC INFORMATION SYSTEMS		
1119	ANADEX DP9000A 150CPS 80COL		25 1333		1427	COMRITER CR1 DAISYWHEEL P OR S ^CABLE RS232	1129 878 40 35	1873	MICROPRISM 480 110CPS 80COL	645 543	3445	SPINWRITER 3350		2000
1120	ANADEX DP9001A 120CPS BOCOL		25 1333		1428	^DAISYWHEEL	40 35 25 22	1874	PRISM 132 200CPS 132COL S & P	1499 1249	2257	SPINWRITER 3510	1895	1584
1128	ANADEX DP9500 150CPS 132CDL		50 1369		1434	^DUST COVER COMRITER	10 9	1875	PRISM 132C COLOR GRAPHICS	1995 1663	2258	SPINWRITER 3515		1625
1117	ANADEX DP9500A 150CPS 132COL		25 1369		1431	^IBM CABLE	20 18	1862	PRISM BO 200CPS BOCOL S & P PRISM BOC COLOR GRAPHICS	1299 1095 1795 1496	2259	SPINWRITER 3520		2233
1129	ANADEX DP9501 150CPS 132COL ANADEX DP9501A 120CPS 132COL		50, 1369 25, 1369		1432	^IBM CABLE	60 53	1879	^CABLE MP480/PRISM 132-APPLE	49 47	2260 2261	SPINWRITER 3525 SPINWRITER 3530		225 <i>(</i> ) 1726
1121	ANADEX DP9620A 200CPS 132COL		5 1524		1435	^TRACTOR FEED	120 105	1894	^COLOR DPTION KIT	399 299	2262	SPINWRITER 3550		2000
1130	ANADEX DP9625A 200CPS 132COL		5 1614				×	1893	^DOT PLOT GRAPHICS KIT	99 78	2263	SPINWRITER 7710		223
1122	ANADEX WP600015-02-75CPS 132COL	3 6	GO 2262			** DATA IMPACT		1989	^PAPER CATCH PRISM B0/132	19 19	2264	SPINWRITER 7715	3165	226
1123	^BUFFER 2.6K 9500/9501		5 43				_	1687	^PARALLEL CARD PRISM ^PRINT SOFTWARE PRISM BO/132	52 50 40 57	2265	SPINWRITER 7720		2700
1125 1124	↑BUFFER 2K 9620A ↑TRACTOR FEED WP6000		5 32 6 147		1559	DIP 92 BOCOL	695 549	1880 1888	SERIAL CARD B232 PRISM	60 53 40 27	2266	SPINWRITER 7725		2765
1127	INHEIDN TEED WEDOOD	.1 -	د تو چ مساهد				e/ 7s	1981	ASHEET FEED 200 BIN CASSETTE	499 436	2267 2247	SPINWRITER 7730 ^3500 BIDIR TRACTOR		2237
	80					** DATASOUTH COMPUTER	S.	1890	ASHEET FEED KIT PRISM 132	149 114	2248	^3500 BIN ADAPTERS-2		21:
	** AXIOM				9		_	1891	ASHEET FEED KIT PRISM BO	149 114	2249	^3500 BOTTOM FEED/PAPER OUT		84
					1574	DS120 TERMINAL CONTROLLER	653	1892	^SPRINT MODE KIT	149 114	2250	^3500 CUT SHEET FEEDER		970
1269			9 281		1579 1575	DS120 UPGRADES DECWRITER II DS180 180CPS 132COL 9X7 S & P	1746				2251	^3500 CUT SHEET GUIDE	20%	117
1270 1271	AXIOM GP100a AXIOM GP250x		6 250 9 290		1576	DS180 W/QUIET COVER	1346		** JUKI INDUSTRIES		2252 2253	^3500 ENVELOPE HANDLER ^3500 PUSHER TRACTOR		281 369
2339	AXIOM IMP 4 P & S		9 589		1578	DS220 MULTIMODE 220CPS S & P	.,,,,				2254	^7700 BIDIR TRACTOR		354
					1577	^PARALLEL CABLE	39	1972	JUKI 6100 DAISYWHEEL 18CPS & C. C. &	699 531	2255	^7700 CUT SHEET FEEDER		1199
	TOTAL NAME OF THE PARTY OF THE		<b>\$</b> 8					1973	^BIDIR TRACTOR	149 135	2256	^7700 VERTICAL FORMS TRACTOR	250	227
	** AXLON		58			** DIABLO	UK UK	1975	^DAISYWHEEL ^MEMORY CHIP 2K	28 28				
1277	ALPHACOM 30CPS 40CBL THERMAL		9 250			** NIMOFF	<u> </u>	1974	^UNIDIR TRACTOR	105 101		** DKIDATA		
	HEI MICON COOL S WOLDE PHENIME	27	7 230		1585	D-620 DAISYWHEEL 25CPS 132COL S	1195 1018					** BKIDHIH	. <b>-</b> ,	
200					1586	D-630 KSR	3325 2647		69 20) 69		2319	MICROLINE BO BOCPS BOCOL	449	369
					1587	D-630 R155 40CPS S OR P	2340 1935		** LEADING EDGE		2320	MICROLINE 824 120CP5 80COL 9X9		438
	** BMC USA				1599	P11 DOT MATRIX BOCOL 100CPS	649 543	3001	8P/BR 8600 80COL 180CPS 2X9	1295 1114		MICROLINE 83A 120CPS 136COL		732
		<u>.</u>			1600	P31 DOT MATRIX 132COL 100CPS P32 DOT MATRIX 132COL 150CPS	950 756 1395 1089	2001 2000	GORILLA/BANANA 80COL 50CPS 5X7	250 224		MICROLINE BAP 200CPS 136COL		1084
1295	B1200 DOT MATRIX	495	425		1601 1602	P38 DOT MATRIX 132COL 400CPS	2195 1857	2002	TRACTOR FOR 8600	159 128		MICROLINE 845 SERIAL MICROLINE 92 160CPS 80COL		1190 556
1296	81210 INJECTION COLOR	Ban and	2 2020		1588	^CABLE 630 R155/APPLE	60 57			09 0 <del>9</del>		MICROLINE 928 SERIAL		641
1300 1294	CR1 DAISYWHEEL PB101 DAISYWHEEL		878		1589	^CABLE 630 R155/RS232	60 57				2325	MICROLINE 93 160CPS 136COL		957
4 4 7 7	I DIVI DAISIWALLE	1100	B17		1591	^PRINTWHEEL PLASTIC 620	15 14		** MANNESMAN TALLY	•		MICROLINE 938 SERIAL		1042
		12			1597	APRINTWHEEL PLASTIC 630	9 9	2052	MT160-I 160CPS 80COL 5 & P	698 604		PACEMARK 2350P 350CPS 136COL	2685	
100	** BROTHER/DAISYWRITER/DYNAX	78			1593 1598	^SHEET FEEDER 620 ^SHEET FEEDER 630	895 - 776 1395 - 854	2053	MT160-L 160/40CPS DUAL PRINT	798 690		PACEMARK 2350S 350CPS 136COL PACEMARK 2410 410CPS PARALLEL	2845 2995	
						^TRACTOR BIDIR 620	130 106	2055	MT1605 200CPS 132COL SERIAL	1695 1399		PACEMARK 2410 410CPS SERIAL	3145	
1301	HR-1 DAISYWHEEL 15CPS 132COL HR-1 DAISYWHEEL SERIAL		805		1594	ATRACTOR BIDIR 630	440 281	2063	MT180-I 160CPS 132COL S & F	998 852		^GRAPHIC DRIVER DISK		59
1302 3446	HR-15P	1250	961 574					2064 2056	MT180-L NLQ PRINT MODE MT1802 200/50CPS DUAL PRINT PAR	1098 938 1995 1643		^HIGH SPEED 2K BUFFER 82/83/84		128
3447	HR-15S		610			** DECCELUATE COMBUTED DOODUCTO	Kil	2057	MT1805 200/50CPS DUAL PRINT SER			AHIGH SPEED 2K BUFFER 92/93		104
1304	^PRINTWHEEL CASSETTE	25				** DRESSELHAUS COMPUTER PRODUCTS		2058	MT1805 200/50CPS QUICK TEAR	2245 1857		^OKIGRAPH I 82A-2 PROMS ^OKIGRAPH I 83A-2 PROMS		33
1303	^TRACTOR FOR HR-1	175	150		1633	MXPLUS-EPSON ENHANCER	50 47	2061	AROLL PAPER OPTION 160	38 37		^OKIGRAPH II DISK		33 59
								2054	ATRACTOR 160	B5 73		^FARALLEL IEEE488 OPTION		71
	** CENTRONICS						23			ēi -	2331	^ROLL PAPER FEED	49	
5.0		_		33		** EPSON COMPUTER PRODUCTS			** MFI			^RS232 CARD 2K-82/83/92/93		128
1346	GRAPHICS 122-1 120CPS PARALLEL		730	10)	3399	FX100 136COL 100CPS W/GRAPHIC	8 <del>9</del> 9 762.			-	2327	^TRACTOR-80/82A/92	65	53
1347	GRAPHICS 122-3 120CPS SERIAL	27	852			FXBO BOCOL 160CPS W/GRAPHIC	695 616	2207	150G	783		\$5 ***		
	GRAPHICS 739-1 PRO SP PARALLEL		679			MX100 136COL 100CPS W/GRAPHIC	750 706	2204	99G	599		** FANASONIC		
1349	GRAPHICS 739-3B PRO SP SERIAL		793	E E		MX80 BOCOL BOCPS W/GRAPHIC F/T	500 374	2205 2209	APPLE PAC BUFFER 2K	139				
8.		82				RXBO BOCOL 100CPS W/GRAPHIC	499 411	2207 2208	EXT SERIAL OR PARALLEL	24	2395	KX-P1090 FT 10-17 CPS	550	413
	** C ITOH ELECTRONICS		570			^FRICTION FEED KIT MX70/80 ^GRAFTRAX+ MX100 - 3 EPROMS	40 32 70 59	2210	PAPER GUIDE	24				
			©			^GRAFTRAX+ MX80 - 3 EPROMS	70 <b>59</b> 70 <b>59</b>	2206	SINGLE SHEET FEED	24		** PFENYAN KAPPA INTERNATIONAL		
	PRINTMASTER F10 55CPS DAISYWHEEL					^PARALLEL CABLE	36 32			757				
	PRINTMASTER F10 SERIAL PROWRITER 1 8510 120CPS 80CO		1668		1743	^PARALLEL CARD	85 71		** NEC HOME ELECTRONICS	***	2521	PRINTER BOCOL		400

PC 8023A 100CPS B0CDL 7X9

PC BO94A CABLE FOR BO23A

SERIAL CARD FOR PC8023A

619 436

170 153

50 47

*ROLL PAPER HOLDER MX80FT

1742 ASHORT TEAR-OFF LID MXBOFT

3400 ATRACTOR FEED FX80

PROWRITER 1 8510 SERIAL

PROWRITER 2 1550 SERIAL

STARWRITER FIO SERIAL

. ATRACTOR STARWRITER

PROWRITER 2 1550 120CPS 136COL

STARWRITER F10 40CPS DAISYWHEEL

745 617

995 732

995 793

1895 1190

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55 NAVAN	ITEM	LIST AAA\$	NMBR N ITE	EM 	LIST AAA\$	NMBR 	N ITEM 	LIST	AAA\$	NMBR N	ITEM	LIST	
·			**	TRANSTAR		2348	** ORANGE MICRO  GRAPPLER+ ANADEX/APPLE/CENTRONIC	1 6 5	135		** HOLLISTER MICROSYSTEMS	¥8	
2642 2646	** DUME  SPRINT 11/40+ DAISYWHEEL  SPRINT 9/35 DAISYWHEEL SERIAL	1681 1452 2270 2088	3467 TRA 3206 TRA	ANSTAR 120 DAISY 14CPS 12" ANSTAR 130 DAISY 18CPS 17"	599 517 895 762 950 811	2350 2349 2352	GRAPPLER+ CITOH/PROWRTR/OKIDATA GRAPPLER+ EPSON/DATASOUTH/NEC GRAPPLER+ IDS 560/460	145 175	135 135 141	1839	PARALLEL I/D 24 BIT CARD 2400	295	900
2644 2645 2650 2648 2643 2649	SPRINT 9/45 DAISYWHEEL SERIAL SPRINT 9/55 DAISYWHEEL SERIAL  ^PARALLEL CARD FOR 11/40+ ^PRINTWHEEL ^SERIAL CARD FOR 11/40+ ^SHEET FEEDER FOR 9/45 & 11/40+	2255 1726 2795 2465 95 94 10 8 95 90 950 679	3209 TRO 3213 TRO 3208 ^B 3210 ^B	ANSTAR 315 COLOR SOCPS BOCOL IDIR TRACTOR FOR 130 IDIR TRACTOR FOR 140 INFEER 2K FOR 140	1695 1321 599 517 195 135 225 203 40 33 35 28	2351 2356 2354 2353 2355	GRAPPLER+ IDS PRISM/MIRCOPRISM ORANGE PARALLEL CARD ^BUFFERBOARD 16K ADD ON RAM ^BUFFERBOARD FOR GRAPPLER+ 16K ^BUFFERED GRAPPLER+		141 72 27 135 199	1895 1896 1897	** INTERACTIVE STRUCTURES  PKASO AP12 APPLE DMP PKASO CE12 CENTRONICS 739/122 PKASO EP12 EPSON MX70	175 175 175	149 149
2647	ARACTOR 11/40+, 9/35/45/55 Specify Parallel or seriol	210 199 72	3214 ^P 3217 ^P	ARALLEL CABLE 10' MALE/MALE ARALLEL CARD FOR APPLE & 315 RINTWHEEL 130 SHEET FEEDER FOR 140	99 90 18 17 1075 902	2565	** PROMETHEUS PRODUCTS GRAPHITTI CARD-EFSON BO/100	125	94	1898 1899 1900 1901	PKASO EP12 EPSON MXBO/100 PKASO ID12 IDS 460/560, PRISMS PKASO ID12C IDS COLOR PRISM PKASO NE12 NEC8023/PROWRITER	175 175 175	168
	** RING KING VISIBLES	<b>-</b> 0 7	3469 ^S	SWEEL LEEDEN LON 1.0		2566 2567	GRAPHITTI CARD-NEC/PROWRITER GRAPHITTI CARD-OKIDATA	125	94 94	1902	PKASO OK12 OKI 82A/83A	175	149
2714 2715 2716	PRINTWHEEL BINDER 8 QUME STYLE PRINTWHEEL BINDER 9 RICOH STYLE THIMBLE BINDER 6 NEC STYLE	8 7 8 7		* TRENDCOM		2568 2584 2585	PARALLEL CARD & CABLE PRT1 ^CABLE CENTRONICS PARALLEL ^CABLE IDS PAPER TIGER	99 25 30			** INTRA COMPUTER		0E
2783	** SANYO		3224 TR 3225 TR 3222 TR	RENDCOM 100/200 CARD RENDCOM 100/200 GRAPHICS CARD RENDCOM 1006 40CPS 40COL THERML	75 69 100 91 295 259 395 344		** QUADRAM			1953	AB PRINTER SWITCH-2 PRINTERS AB SHARE A PRINTER CROSS OVER PRINTER SWITCH PROGRAMMABLE SERIAL ID CARD	150 150 200 200	135 179 179
2789	SANYO PRINTWHEEL 5 PAC	84 84	3223 TF	RENDCOM 200 40CPS BOCOL THERMAL	395 344	2598 2599 2596 2597	CABLE B' CENTRONICS PLUG PARALLEL CARD & CABLE PARALLEL CARD APIC PARALLEL CARD W/GRAPHICS APIC/G	45 140 95 95	45 121 78 78	1943	SHARE A PRINTER 4 WAY  ** M&R ENTERPRISES	260	255
. 5545	** SELECTONE COMPUTER PRODUCTS  APPLE II PARALLEL CARD & CABLE			* XEROX 	1595 1304					2046	ADAPTABOX MIC11 RS232C	1000	
2818 2821 2823 2824 2822 2822	CABLE FOR APPLE/SPECIFY CARD CABLE FOR EAGLE II/III CABLE FOR IBM PC SERIAL/PARALLE CABLE FOR VIC 64/CARDCO CARD KITS FOR PRAXIS 30/35/40	39 36 39 36 L 39 36 39 36 E 195 165	3384 X 3386 ^	EROX 630 40CPS 132COL SERIAL TRACTOR RUTISHAUSER	2900 2494 295 250	2927 2928 2929	** SPIES LABORATORIES  SUPER-MX CARD & CABLE  ^ORATOR & LTR GOTHIC FONTS  ^SCRIPT & OLDE ENGLISH FONTS	30	157 28 28	2105	** MICROCOMPUTER BUSINESS INDUST VIP CARD-PARALLEL/SERIAL GRAPHIC		115
2819 2815 2814 2817 2816	MICRO-TYPE SERIAL CARD & CABLE MICRO-TYPER SYSTEM PRAXIS 30P MICRO-TYPER SYSTEM PRAXIS 30S MICRO-TYPER SYSTEM PRAXIS 35P	195 165 695 623 695 623 795 735 795 735	PRINTE	ER CARDS & C.		2959 2958 2944 2961	** SSM MICROCOMPUTER PRODUCTS  CABLE F/NEC & ASIO/AIDII, ASCOS  CABLE FOR AIO/AIOII/APIO, ASCO4  CABLE FOR AIOII, ASCOI  CABLE FOR AIOII/APIO CENT 7XX	30 20	24 28 19	2115 2131 2128	** MICROTEK  DUMPLING GX PARALLEL CARD/CABLE DUMPLING GX UPGRADEABLE INTERFACE CARD RV611 PARALLEL CARD & CABLE RV611C	하루 사람이 가장하게 되었다.	81 100 54 66
81	** SMITH CORDNA	 5 5	1063 0	SISPATCHER-SERIAL CARD PRINTERMATE-PARALLEL CARD	139 84 99 59	2960 2945 2956	CABLE FOR AIOII/APIO UNTER 727 CABLE FOR AIOII/APIO, APCO2 CABLE FOR AIOII/ASIO, ASCO2 CABLE FOR AIOII/ASIO, ASCO3	15 25 25	1 4	200000 P022000	** MICROMAX SYSTEMS	35	26
2831 2828 2827 2837	TP-I DAISYWHEEL 10PITCH 12CPS TP-I DAISYWHEEL 10PITCH SERIAL TP-I DAISYWHEEL 12PITCH 12CPS	895 556 895 648	1333	** CALIFORNIA COMPUTER SYSTEMS CENTRONICS CABLE 7379A		2946 2962 2963 2941	CABLE FOR IDS PRINTER, APCO4 IEEE 400 CARD & CABLE A400 IEEE 400 PASCAL DRIVER DISK PARALLEL CARD FIRMWARE	25	24 444	2137	GRAPHMAX PARALLEL CARD PRINTMAX PARALLEL CARD	150 90	117 72
2833 2820		149 144	1335 9 1334 1	CENTRONICS ROM 7620A GPIB INTERFACE 7490A MPI 88T CABLE 7388A PARALLEL CARD 7720-01	200 179 30 28 100 91	2965 2966 2937	PARALLEL GR/CARD APPIC/G PARALLEL GR/CARD/CABLE APPIC/GO2 PARALLEL I/O CARD & CABLE, APIO	109 129 99	82 90 90		** MPC PERIPHERALS		276 875
298	** STAR MICRONICS  GEMINI 10X 120CPS 80COL 9X9 PA	R 399 350	1323 1324	PARALLEL CARD 7720-02 PARALLEL CARD CENTRONICS 7729A	100 91 100 91	2936 2939 2940 2942	PARALLEL I/O CARD, APIO PARALLEL/SERIAL CARD, AIO I PARALLEL/SERIAL CARD, AIO II PASCAL DRIVER DISK APIO/ASIO/AIO	136 225	82 140 173	2201 .	CABLE SERIAL DB25/DB25 10' CABLE SERIAL DB25/DB25 20' CABLE SERIAL TO ANADEX 6' CABLE SERIAL TO DIABLO 6'		
298	GEMINI 15 120CPS 132COL 9X9	599 436	•	** COMPUTER STATIONS		2943 2938	PASCAL DRIVER DISK FOR AIO II PASCAL PATCHER DISK AIO	20 20	20 20	2197 2198	CABLE SERIAL TO MANNSMAN TALLY CABLE SERIAL TO OKIDATA 6'	200	20
# 27	** TOSHIBA	2000	1420	STATION MASTER PARALLEL CARD	175 146	2935	SERIAL I/O CARD & CABLE, ASIO	149	135		PARALLEL CARD & CABLE AP80 SERIAL I/O CARD APSID	90 130	67 97
318 318 318	5 P1350 100-160 CPS PARALLEL	295 1163 295 256 2195 1804		** DIGITEK INTERNATIONAL	- 170 ILO	3239	** TYMAC  PARALLEL CARD & CABLE F/IDS	149	100				
318	6 P1350 SERIAL	2195 1804	1607	PRINTMASTER 3 PARALLELCARD/CABLE	170 163	3233 3234 3238	PARALLEL CARD & CABLE PPC100 TACKLER PARALLEL CARD (RED ROM) ^TACKLER RDM-C ITOH	139 159 20	78 96 11 15 14		** VIDEX	229	187
				** FOURTH DIMENSION SYSTEMS	 59 44	3235 3237 3236	^TACKLER ROM-EPSON ^TACKLER ROM-NEC ^TACKLER ROM-OKIDATA	-20	16 14 16 14 16 14			£	7
8	6	23	1793	PARALLEL INTERFACE & CABLE	J. 7. 1			1675 F-8	essentialis 👫 🐔	86		•	er i

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1138		SPOOL/64 W/PARALLEL INTERFACE	319	280	
1139		SPOOLER 6' CABLE STON PARALLEL	25	. 27	
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		** CONSOLINK			
1448		MICROSPOOLER PAR TO PAR 16K	199	188	
1449		MICROSPOBLER PAR TO PAR 32K	229	217	
1450		MICROSPOOLER PAR TO PAR 64K	279	261	
1451		MICROSPOOLER SER TO PAR 16K	239 269	226 253	
1452 1453		MICROSPOOLER SER TO PAR 32K MICROSPOOLER SER TO PAR 64K	319	299	
1445		SOOPERSPOOLER 16K PARALLEL	349	328	
1447		SODPERSPODLER MEMORY EXPANSION	159	150	
1446		SOOPERSPOOLER SERIAL OPTION	95	92	
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		** INTERACTIVE STRUCTURES	12 12	er.	181
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2190		PIPELINE BUFFER COOK	230	195	
1903		PIPELINE BUFFER 014K	244	219	
1904		PIPELINE BUFFER 032K PIPELINE BUFFER 064K	272 328	244 288	
1905 1906	***	PIPELINE BUFFER 096K	384	336	
1907		PIPELINE BUFFER 128K	440	385	
1914		^PIPELINE BK UPGRADE	14	13	
		** MICROTEK		*	
2119		DUMPLING 16-GRAPHICS SPOOLER	249	123	
2120		DUMPLING 32-GRAPHICS SPOOLER	299 399	147 197	
2117		DUMPLING 64-GRAPHICS SPOOLER	377	177	
			100		
		** PRACTICAL PERIPHERALS			
2526		MB II 16K PARALLEL EPSON 7/8/10 MB II 16K PARALLEL IDS	199 199	166 166	
2530 2528		MB II 16K PARALLEL IDS MB II 16K PARALLEL NEC/PROWRTR	199		
2532		MB II 16K PARALLEL OKIDATA	199	166	
2538		MB II 16K SERIAL	199		
2527		MB II 32K PARALLEL EPSON 7/8/10	219		
2531		MB II 32K PARALLEL IDS	219 219		
2529 2533		MB II 32K PARALLEL NEC/PROWRTR MB II 32K PARALLEL OKIDATA	219		
2539		MB II 32K SERIAL	219		
2536		MB IN-LINE 32K PARALLEL	299		
2534		MB IN-LINE 32K SERIAL	299		
2541		MB IN-LINE 64K EXPANSION MODULE	179 349		
2537		MB IN-LINE 64K PARALLEL MB IN-LINE 64K SERIAL	349	100	
2535 2525		MB/E MBP-16K PARAL EPSON 8/10	159		
2524		MB/E MBS-BK SERIAL EPSON B/10	159		
0-4		CHARCHET COREN DAME (DEG A MR)	119	B2	

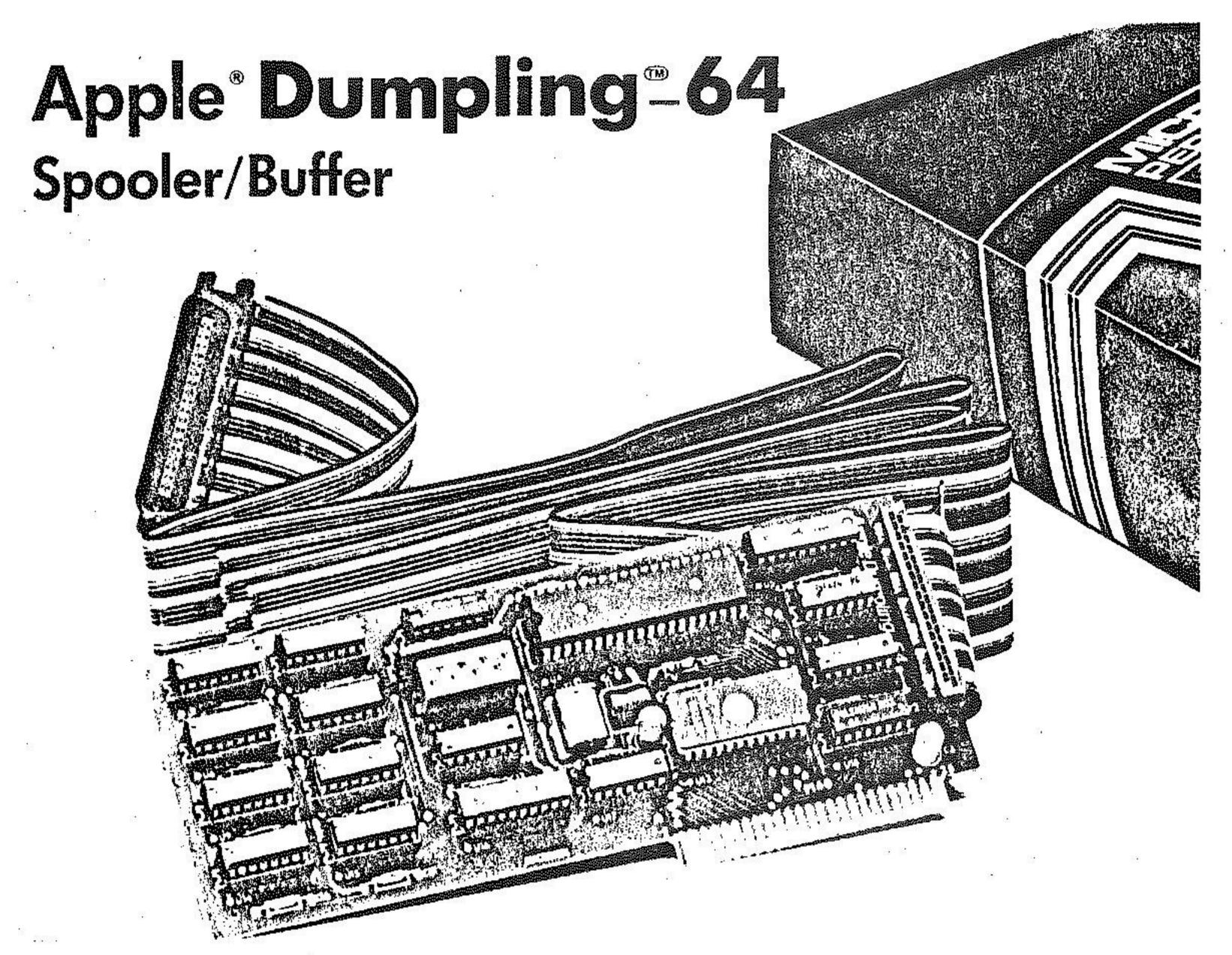
SNAPSHOT-SCREEN DUMP (REQ A MB)

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	** QUADRAM		2
2105	EFAZER 32K EPSON MX/FX MEP32	199	191
2605	EFAZER 64K EPSON MX/FX MEP64	289	253
2606 2608	INTERFAZER 32K RAM CARD	230	197
2609	INTERFAZER 64K RAM CARD	295	254
2607	INTERFAZER CONTROLLER UNIT	295	254
	INTERFAZER PARALLEL I/O CARD	65	5B
2610 2611	INTERFAZER SERIAL I/O CARD	45	58
	MF POWER SUPPLY 110VAC TO 9VDC	20	19
2603 2604	MF POWER SUPPLY 220VAC TO 9VDC	20	19
2602	MICROFAZER 128K P/P MP128	445	390
2600	MICROFAZER 32K P/P MP32	225	188
2601	MICROFAZER 64K P/P MP64	299	261
2001	HIGHORITEEN ENGLISHED	**	
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	** WESPER MICRO SYSTEMS		
3350	BPO 16K BUFFER ANADEX	179	149
3347	BPO 16K BUFFER EPSON	179	149
3349	BPO 16K" BUFFER NEC	179	149
3348	BPO 16K BUFFER OKIDATA	179	149
3354	BPO 32K BUFFER ANADEX	219	17B
3351	BPD 32K BUFFER EPSON	219	178
3353	BPO 32K BUFFER NEC	219	178
3352	BPO 32K BUFFER OKIDATA	219	178
3361	BPO PERSONALITY ROM-ANADEX	" 24	20
3358	BPO PERSONALITY ROM-EPSON	24	20
3360	BPO PERSONALITY ROM-NEC	24	20
3359	BPO PERSONALITY ROM-OKIDATA	24	20
3357	BP0/S08 UPGRADE 16 TO 32K	40	32
3355	SOB 16K BUFFER-SERIAL	209	212
3356	SOB 32K BUFFER-SERIAL	249	242
3363	SPOOLER	349	263
3362	SPOOLER P	289	222
3368	WIZARD EBI 16K PLUGIN-EPSON	145	111
3366	WIZARD IPI-ANADEX	88	69
3364	WIZARD IFI-EPSON	88	69
3345	WIZARD IFI-NEC	86	69
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WIZARD IPI-OKIDATA



The Apple Dumpling-64 is the next logical extension to the industry standard Dumpling-GX parallel interface card. An on-board microprocessor and proprietary on-board firmware from Microtek allows the computer to DUMP vast quantities of data into the Dumpling-64 for later printing, thus freeing up the computer for additional tasks. The Dumpling-64 will instantly interface the following printers for text and hi-resolution graphics via an on-board DIP switch.

NEC C-Itoh Okidata IDS* PMC Centronics Mannesmann Tally Anadex

and all other printers which use the same graphics routines.

For text and block graphics, most parallel printers available today may be configured with the on-board DIP switch for STR-ACK signals.

The Apple Dumpling-64 allows full use of hi-resolution functions:

Rotation, Inversion, Double Size, Emphasized Print, Dual Page Dump, Chart Recorder Mode and control over all variables for text and graphics.

*with special PROM and cable.

Dumpling-GX is a trademork of Microtek, Inc. Oumpling-64 is a trademork of Microtek, Inc. Apple is a registered trademark of Apple Camputer, Inc. CP/M is a registered trademark of Digital Research, Inc.

In addition to the standard graphics features, the Apple Dumpling-64 offers:

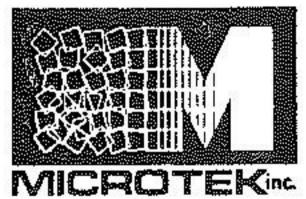
- Buffer sizes from Ø K to 64K. User upgradable
  Graphics Dumps to Buffer. Page 1 and/or 2.
  Multiple Consecutive Screen Dumps to Buffer.
  Software reset to clear Buffer.
- "Space Compression" saves valuable memory taken up by 'spaces' in text or spread sheets.
  Automatic Buffer Size Recognition.

- Pause while printing-immediate.
  Pause while printing-delayed.
  Resume printing.
  REMOTE pause-immediate: hooks up to telephones, switches — etc.

  Buffer ON/OFF control.
- INSERT text editing capability with Pause and Buffer ON/OFF controls.

Of course, there's PASCAL and CP/M compatibility, Ideal default conditions, and our standard 2 Year Warranty.

The Dumpling-64. Why settle for less.



9514 Chesapeake Drive Son Diego, CA 92123 (619) 569-0900 Outside CA call Toll Free (800) 854-1081 TWX. 910-335-1269

# 

#### PKASO Printer Interface

The PKASO Printer Interface is an intelligent text and graphics output system for Apple* Computer and dot matrix printers.

The PKASO Interface is compatible with most popular languages, such as BASIC, CP/M, and ASSEMBLER, and is designed to print both text and graphics with PASCAL. Full support is also available for Apple III's expanded graphics and changeable character fonts.

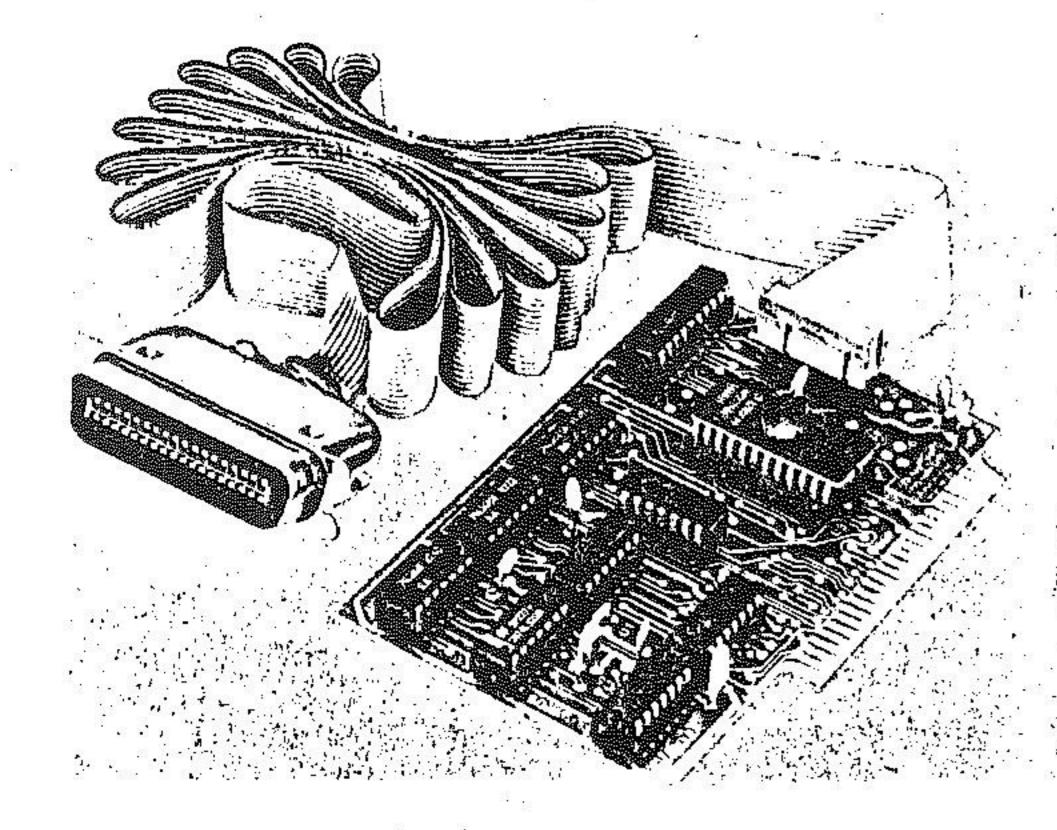
#### FEATURES: (Apple II or Apple IIe)

- Full snapshot dump of any screen image HiResolution Graphics LoResolution Graphics
- 16 level gray scale printing
- u Superfont™ system for design of special characters or symbols.
- Simple standardized commands for character sizes, tabs, etc.
- Full color for the color printers.

#### FEATURES: (Apple III)

- All of the above features in "emulation mode".
   Invokable screen dump supporting all graphics modes.
- Print using the III's screen character font.

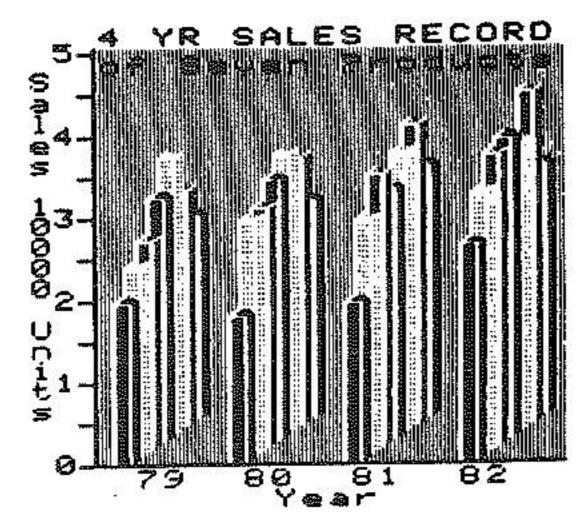
  Apple DMP; Epson MX-70, MX-80, MX100
  (Graftrax); NEC PC8023A/C; C. Itoh 8510 Pro/Writer; Integral Data Systems 460, 560, Prisms, Color Prisms; Okidata 82A, 83A (Okigraph I); or Centronics 739, 122 printers.
- 'Apple is a trademark of Apple Computer, Inc., Cuperlino, Ca.



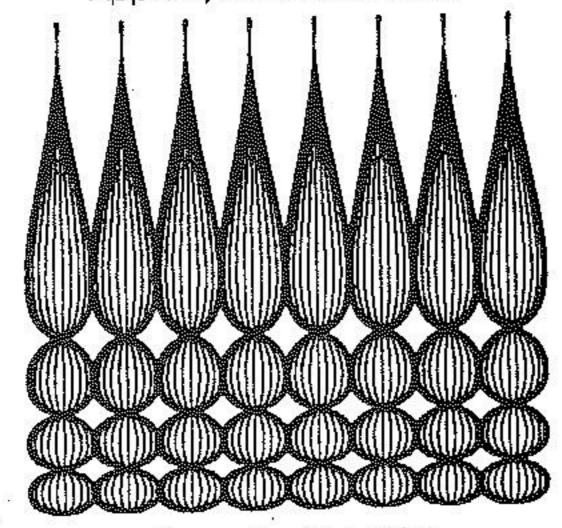
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#### Use Your Favorite Software Program With Ease

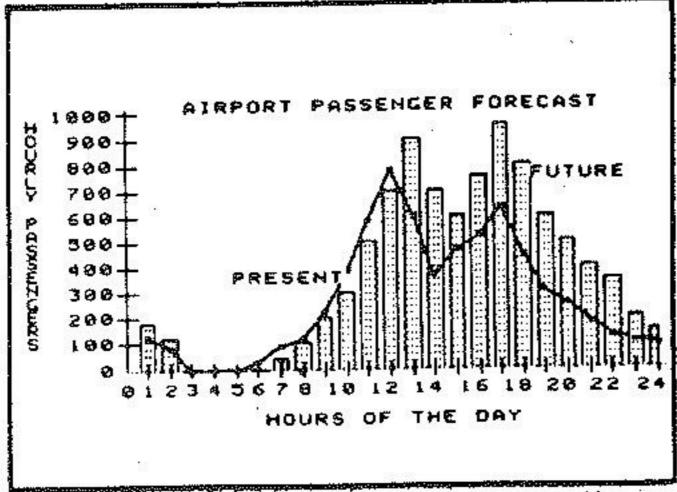
Everything is included in your PKASO interface card to start printing letters using your favorite text processor program, or to start printing Hi Resolution graphics exactly as you see it on the screen. No disk shuffling or program swapping is required to use PKASO features from the keyboard or from a program.



Compatible with all popular Apple Systems & Software



Super Res Graphics



Directing Printing from the video screen

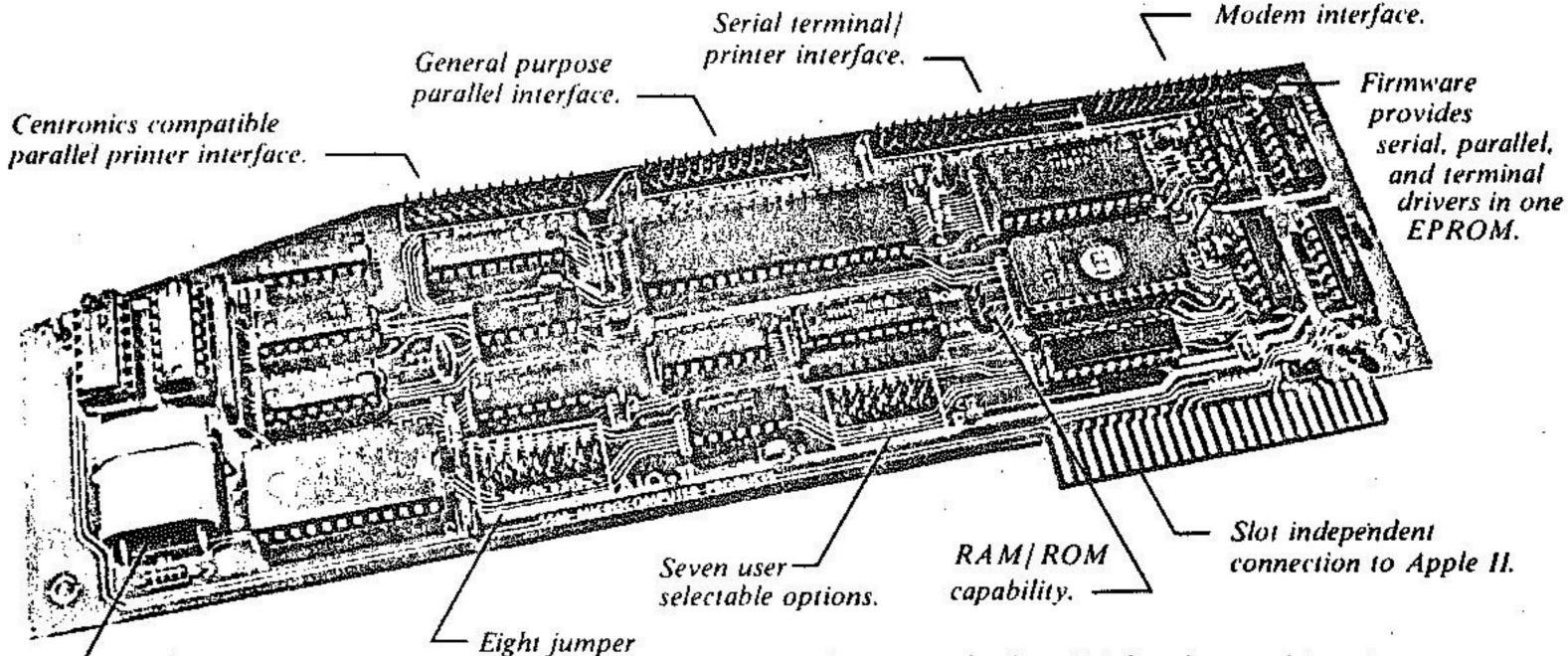
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# Apple Serial & Parallel Interface

# Four functions to connect the Apple with a wide variety of peripherals.

selectable baud rates

from 110 to 19.2K.



#### Benefits:

 Highly flexible, full function serial and parallel interfaces virtually eliminate the need for any other I/O interface boards.

Crystal controlled

baud rate circuit.

- Reduce interfacing costs by combining two boards in one.
- · Conserves Apple peripheral slots.
- Advanced design techniques assure maximum hardware and software compatibility.
- Can be installed and operated by the novice, yet provides advanced features for the experienced user.
- Optional cable assemblies eliminate the need to hand solder cables.
- Operation is transparent to the user; no software to
- Allows simultaneous use of serial & parallel functions.

#### Features:

- One software-programmable RS-232 serial interface with full handshaking.
- Two full function programmable parallel ports.
- True simultaneous output to serial and parallel devices.

- Connectors for four I/O functions: serial modem, serial terminal/printer, parallel Centronicscompatible printer, and general purpose parallel.
- Eight crystal-controlled baud rates jumper-selectable from 110 to 19200 baud; may be changed at any time through software.
- Supports a variety of printers including Epson, Anadex, Centronics, IDS, Okidata, NEC, Diablo, Qume, Tl, MPI, Escon, Data South, Base 2, and more.
- On-board firmware provides all necessary drivers in a single package, including terminal communications.
- Advanced design techniques overcome the need for phantom slot assignments, special set-up requirements, or any Apple II hardware modifications.
- Uses the standard Apple Computer, Inc. software control code protocols.
- 2K static RAM may be substituted for on-board EPROM.
- May be operated in any Apple II expansion slot (except slot 0).
- Optional cables available for most serial and parallel printers.
- Optional drivers available for Apple PASCAL, FORTRAN, and Microsoft Softcard[™].



MORE QUALITY: 100 cps • thruput time of 48 lpm • high resolution (120x144) bit image & block (6x6) graphics • extra fast forms feed

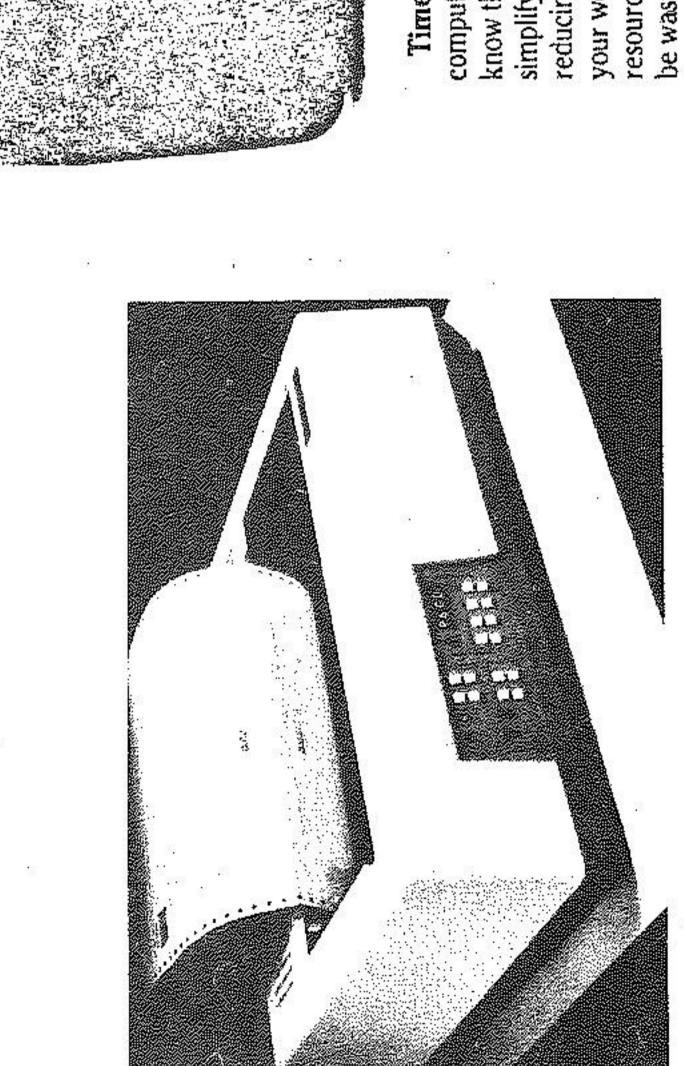
MORE FLEXIBILITY: super/sub script • underlining • backspacing • double strike mode • emphasized print mode • 4k buffer option • compatible with most software supporting leading printers • 10" carriage Gemini-10 or 15" carriage Gemini-15

MORE RELIABILITY: 180 day warranty (90 days for head & ribbon) • mtbf rate of more than 5 million lines • print head life of more than 100 million characters

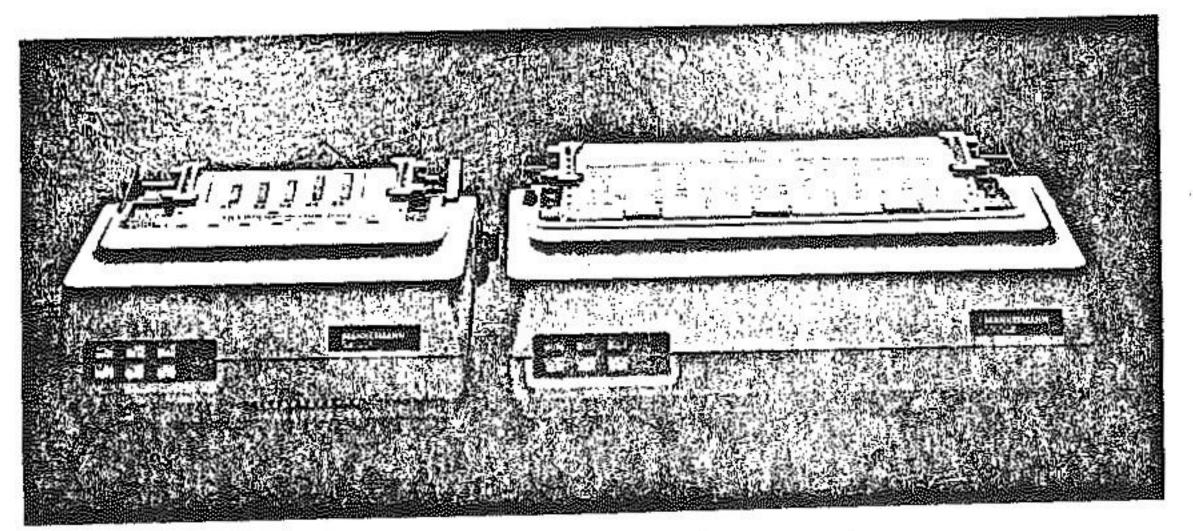
AND FOR A LIST PRICE LESS THAN THE BEST SELLING COMPETITORS!



THE POWER BEHIND THE PRINTED WORD.



# For word processing, plotting and just plain printing.



#### MT 160

### The perfect mate for your desktop computer.

The space saving, small footprint MT 160 delivers high performance in a tiny package to answer any application you ask of it. You get three machines in one — a word processing printer, a plotter and a high speed report printer. And with condensed printing, you can print 160 columns for spreadsheet applications.

Designed for professionals in business, science and industry, the MT 160 sets the standard for microcomputer printing. Ideal for workstation applications, the MT 160 is the one machine solution for Management Report Generation, Office Correspondence, Decision Support Calculations, Graphics Presentations and Statistical and Analytical Modeling programs.

The rugged and reliable MT 160 delivers continuous duty cycle printing. Unlike other microprinters that slow down when overworked, the MT 160 is quality constructed to operate non-stop around the clock.

#### The Quality Difference

Tally microprinters deliver 100% duty cycle operation. That means continuous non-stop printing regardless of the work load. Other microprinters fatigue easily and suffer a speed reduction. Not Tally. The MT 160/180 features die cast chasis construction and heavy duty precision machining for optimum print alignment, precise paper handling, noise absorption and heat distribution.

For superior print quality, especially in the letter quality mode, the MT 160/180 features an advanced and unique dual shift print head that transforms its 7 x 9 matrix array into a high density 20 x 18 matrix array for typewriter look-alike text. While other micro printers claim letter quality, they cannot match Tally's high density, dot precision capability for eye-pleasing characters.

documented fast, the MT 160/180 has high speed 160 character per second printing, logic seeking bidirectional print head travel and accelerated tabbing. By cutting carriage return time and swiftly seeking the shortest path to the next print position, you realize the throughput rates that far exceed the output of other low cost printers.

#### MT 180

### The perfect match for your small business system.

The wide carriage MT 180 is the printer choice for shared work station applications that can use the multi-column capability needed for spreadsheet and accounting tasks. With condensed printing, 264 columns of data can be printed on a standard 15" wide form.

Ideal for multi-task offices, the MT 180 is the answer to application packages that serve General Ledger, Accounts Receivable/ Payable, Inventory Control, Invoicing and Financial Planning. For engineering and scientific programs, the printer features 31 resident scientific characters.

The MT 180 is the answer to all your printout needs. You get high resolution business graphics. Outstanding letter quality text for word processing. And continuous high speed report printing for fast throughput.

Whatever your chore or choice of microcomputer, you'll find the MT 180 is the perfect business partner.

# MANNESMANN TALLY

8301 S. 180th St., Kent, WA 98032

Program by Menu—For easy and simple machine set up, the MT 160/180 features push button programming. The printer prompts the operator to answer "yes" or "no" to a series of program mode questions such as forms length, line spacing character density, code set, character set and so forth. Printer configuration can also be done via the computer interface.

Fight Letter Widths—To give your printout a change of pace, the MT 160/180 has eight different character widths resident in the machine. Condensed printing to save paper. Expanded printing to emphasize a point. A mix of sizes to improve readability. You can select among 20, 16.5, 12 or 10 character per inch spacing; each can be printed double wide for 10, 8.25, 6 or 5 cpi.

Word Processing Reports
Package—For printed results you
thought only a daisywheel could
deliver, the MT 160/180 "L" model
offers a resident reports package that
gives you high density letter quality
characters, proportional spacing,
right and left hand margin
justification and automatic centering
of text.

RCA REPAIRS PRINTERS America has contracted with do all service on the MX RCA will provide Frinters. nationwide warranty service for MX series printers and also provide a maintenance service over 400 locations ₩atts 800 available on the region you live Check your phone book yellow under Radio Service, or phone information for the nearest RCA Service Company. (Reported by DICK ALBERS WAGRPE of Redwood City, CA).

SPEAK UP!

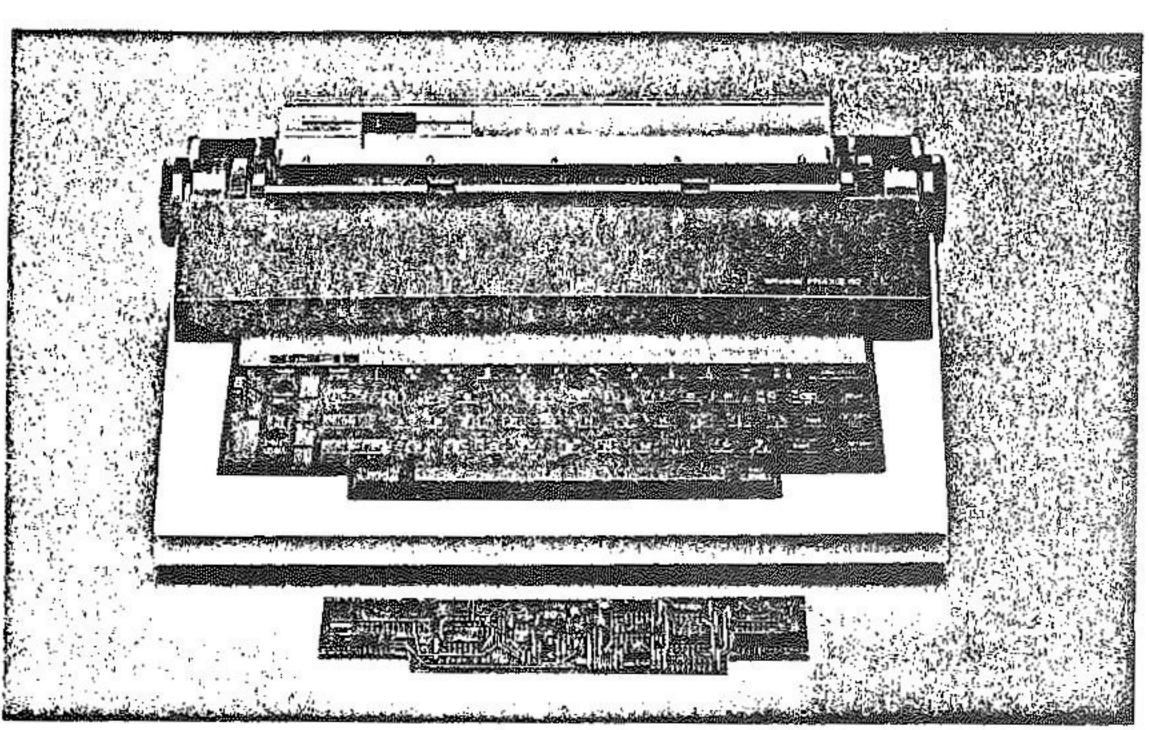
How many times have you read an advertisement for software that promised wonderful things only to find it was less than advertised or its documentation was too complex or worse yet, nonexistent. If you have purchased a program that was easy to follow and did all that the advertising said it would and more, we would like to hear from you. Conversely, if you have bought a lemon, let us know.

BACKUP COPIES OF DISKS Whether you pay \$1 for several programs or \$100 for one, wisdom demands that you should make a backup copy immediately! Yes, at Stiffle your eagerness to run your new program(s) and play with the goodies! Only AFTER you have correctly copied your disk and checked that all is well should you any program on that disk. the backup, as well as the File the original in a place, but not with the Now RUN your programs on your backup copy, serene in the knowledge that when one bombs you have another. In the software line we suggest NIBBLES AWAY by Computer Applications, BACK IT UP by Sensible Software or LOCKSMITH by Omega Microware to make copies of protected disks. approach is to use a Copy Card such SNAPSHOT by Dark Star, WILDCARD Side and CRACKSHOT by Pirates Harbor.

Continued on Page 98.



# The Selectone Micro-Typer Letter-Quality Printer



Now you can have letter quality printing at dot matrix prices with the new Selectone Micro-TyperTM. The Micro-Typer consists of the popular Olivetti PraxisTM electronic portable typewriter with the addition of Selectone's Micro-TypeTM computer interface board. By providing an electronic interface between the typewriter and the computer, the Micro-Type interface creates a versatile, dual-purpose machine: a full feature daisy wheel electronic typewriter and a low cost, portable computer printer ideal for most home computer applications.

#### MICRO-TYPER FEATURES

It's a Typewriter . . .

- Portable—weighs only 22 lbs including carrying case
- Buffer Memory-for automatic error correction
- Dalsy Wheel Design—100 printable characters plus 17 function keys
- Variable Pitch Selection-choice of Pica, Elite, or Mikron spacing (Model OP-35 only)

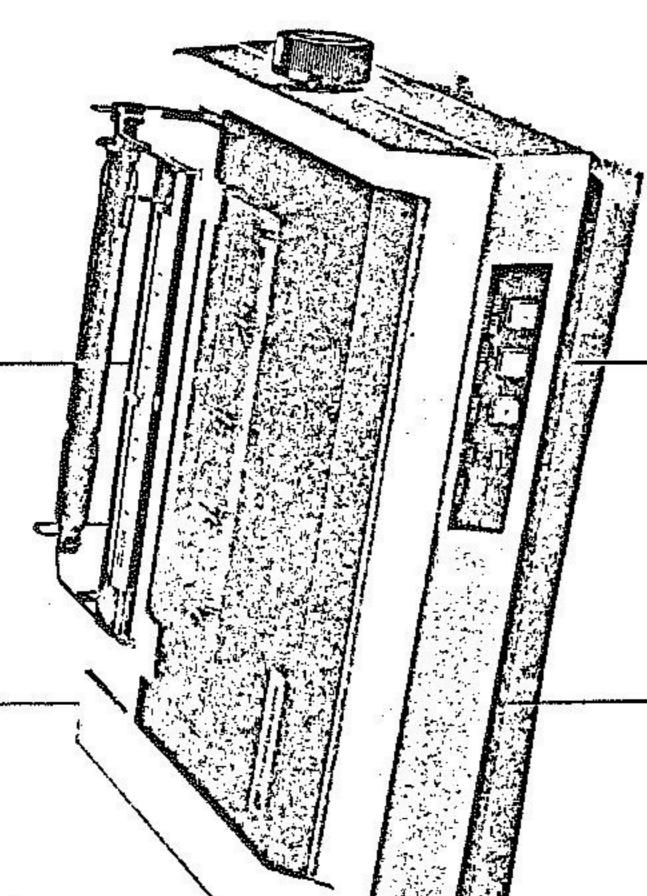
It's a Printer . . .

- Compatible—with Wordstar™ and most other word processing software
- Parallel and Serial Versions—for operation with most microcomputers
- Letter Quality-for professional appearing letters and manuscripts



MONITORS

NMBR N ITEM



NWRK N	1 I EM	L151	¥ннн		NMBR N	ITEM
			963		75	
	** ADVANCED LOGIC SYSTEMS					** JVC/DYNAX
				36		
1066	DIRT CHEAP TV INTERFACE	89	70		1977	AMBER AM-121 12"
1065	RGB COLOR II INTERFACE	179	137		1978	GREEN GM-120 12"
	A AMBER					MED CUTCODITOCS
20	** AMDEK	827				** M&R ENTERPRISES
1080	AMBER 12" VIDEO 300A 18MHz	199	162		2044	SUP'R MOD UNIVERSAL TV INTERFACE
1082	AMBER 12" VIDEO 310A 18MHz	230	174		2044	SOL W HOD DIATACKSHE IA THICK HEE
1078	9&W 12" VIDEO 100 12MHz	110	91			
1098	COLOR 16 INTENSITY MOD RGB	11	11		2	≎ <del></del>
1083	COLOR I 13" LORES 260X300	379	313			** MICROTEK
1097	COLOR I+ 13" LORES	379	328			
1084	COLOR II 13" HIRES RGB 560X240	529	438	200	2124	RAINBOW-256 RGB CARD
1085	COLOR III 13" MDRES RGB 260X300	479	381			
1087	COLOR IV 13" XHRES RGB 720X420	1299	986			
1079	GREEN 12" VIDEO 300 18MHz	179	144			LES LEUE EL ESTESHIOS
1081	GREEN 12" VIDEO 310 18MHz	220	165			** NEC HOME ELECTRONICS
1095	AC200 VIDEO 300 CABLE	23	11		200	
1096	AC300 COLOR I CABLE	23	13		2218	COLOR 12" JC1203DH RGB 690X230
1086	DVM RGB CARD	199	131		2217	COLOR 12" JC1212M(A) 250X
	\$5				2215	GREEN 09" JB902M(A) 20MH2
	** APPLE COMPUTER				2216	GREEN 12" JB1201M(A) 20MHz GREEN 12" JB1260M(A) 15MHz
	** WITE CONFORM		88		2219	
1144	GREEN 12" MONITOR ///	269	212		35/2	Amber 12" SB/205M
1177	DILLIA IZ HORITON ///		* * *		50	** PANASONIC
		<b>3</b>				
	** ATI				2393	COLOR 10" CT160
					2394	GREEN 12" TR120MIP HIRES
1245	B&W 9"	150	84			HUMEN DE MAIREDANN MARKE (
	**************************************		100-00-000			93 <del>*</del>
						** RING KING VISIBLES
	** BMC USA					
					2711	CRT TRAY 16Wx12Dx2.5H PT1216S
1290	AMBER 12" BM12AY	117	103			
1291	AMBER 12" BM12EYN	199	173	82		·•
1293	COLOR 13" BMAU9191MU RGB	645	574			** SANYO
1292	COLOR 13" BMAU9191U	395	288			
1286	GREEN 12" BM12AU 15 MHz	99	90		2774	B&W 09" VM4509
1289	GREEN 12" BM12EUN 18 MHz	187	159		2777	B&W 12" DM2012
1299	MONITOR BASE PA900	30	27		2776	B&W 12" DMB012 HIRES
					2780	COLOR 13" DMC6013 NTSC
	DOMOCY THITEDHATIONAL				2781	COLOR 13" DMC6113 MDRES
	** COMREX INTERNATIONAL				2782	COLOR 13" DMC7013 LORES & SPKR
	ANDED ADE MONDOUGONE	200	417		2775	GREEN 09" DM5109CX HIRES
1441	AMBER 09" MONOCHROME	200	167 179		2778	GREEN 12" DM2112
1444	AMBER 12" MONOCHROME	230 449	350		3462	GREEN 12" DM5112
1437	COLOR 13" COMPOSITE COLOR 13" RGB		519		2779	GREEN 12" DM8112 HIRES
	GREEN 09" MONOCHROME	180	154		3463	MONITOR 25" AVM 255
	GREEN 12"	140	109		20	
1436 1442	GREEN 12" MONOCHROME	210	167	100	58	** TAXAN/TSK ELECTRONICS
	YELLOW 09" MONOCHROME	190	160			** !WWW.\!?V CFFFIUDIATOS
***************************************	YELLOW 12" MONOCHROME	220	173		3129	AMBER 12" KG12N-UY
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					3133	COLOR VISION 1 W/RGB 2A CARD !!
	** ELECTROHOME				3132	COLOR VISION 3 12" HIRES RGB
					3130	GREEN 12" KG12N
1660	COLOR 13" HIRES IBM/RGB 1302-03	499	418		3134	RGB 2 CARD
	COLOR 13" HIRES RGB 1302-2	489	410		3135	RGB 2A CARD W/TEXT-COLOR CHNG
	COLOR 13" HIRES RGB/NTSC 1302-2N	519	435		.ಎ.ಎ.ಪ <b>ಕ್ಕಾಪ</b>	
	COLOR 13" MDRES RGB 1302-1	269	231			12 40 E
	COLOR 13" MDRES RGB/NTSC 1302-1N	299	250	82		
-0	GREEN 09" HIRES 0924-P31	170	146			
	GREEN 12" HIRES 1226-P31	189	162			
	ECM COLOR CABLE PP1302	6	6	100		
	NTSC 2 COLOR CARD I1302	119	103	20		
	NTSC OPTION	100	84			E 19
	CUBERCOLOR RED CAPA	2/0	774			× ×

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NMBR N ITEM

210 183

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#### MONITORS

NMBR N ITEM

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	** USI		
3242	AMBER 09" PI-4 20MHz	199	124
3244	AMBER 12" PI-3 20MHz	249	144
3245	COLOR 14" COMPOSITE 1400C	399	319
3241	GREEN 09" PI-1 20MHz	149	92
3243	GREEN 12" PI-2 20MHz	210	123
3246	^COMPUMOD_4 INTERFACE	60	40
3247	^MULTIDISPLAY INTERFACE	449	344
	**VFSSOCIATES		
5611	THE RE MODELL STAR INTERCAGE		
3511	TV RF MODULATOR INTERFACE	49	26
	** ZENITH		
		6 50 808701	
3396	AMBER 12" ZVM-123	169	145
3392	COLOR 13" GDZ-1320	400	356
3397	COLOR 13" ZVM-131 RGB MDRES	379	332
3394	COLOR 13" ZVM-134 RGB 640X250	699	617
3398	COLOR 13" ZVM-135 RGB 640X480	649	561
3393	GREEN 12" IVM-121 HIRES	159	115
3395	GREEN 12" ZVM-122	149	128
		190	

LIST AAA\$

#### Continued from Page 94.

SUPER DISK COPY

We recommend Super Disk Copy by Sensible Software. SDC is a menu driven program that allows manipulation of all types of files under DOS 3.1, 3.2 and 3.3. This program is a must. "The Book" says it's a best buy and we agree! It has the following super features (plus more):

- Copy any single file, Integer, Applesoft, Binary, Text or Relocatable.
- Copy/Erase just DOS.
- Copy an entire disk.
- 4) Brute Force copy for Pascal, FORTRAN and CP/M disks.
- 5) Delete files and UNDELETE previously deleted files.
- 6) INIT target disks with optimized "skew" factors.
- 7) Copy 3.2 to 3.3 and back again.
- 8) Lock and Unlock.
- 9) Alphabetize File Names in the directory.
- 10) Plot of track/sector useage.
- 11) Replace illegal characters in
- file names.
  12) Optional copying of files so they occupy contiguous tracks/sectors for improved access time.
  - Continued on Page 99.

### MONITOR DUST COVERS CLEANING KITS

NMBR N	ITEM	LIST	AAA\$
	** CM&T		
1359	COMPUTER CARE KIT CC10	22	15
	** COVER CRAFT		
	> CLEAR PLASTIC	3	
149B	AMDEK COLOR 1	9	9
1499	AMDEK VIDEO 300	9	8
1530	NEC JB1201M 12"	9 9	В
1531	NECJB1202DH 12" COLOR	9	8
	** INNOVATIVE COMPUTER PRODUCTS		
1860	VIDEO DISPLAY CLEANING KIT PD	13	9
	** LO TECH		
2036	CRT SPRAY CLEANER-BUG SPRAY	6	5
	** SOUTH COAST ENTERPRISES		\$1
52	> TAN PLASTIC		
2881	AMDEK COLOR	14	12
2880	AMDEK GREEN	13	R*****
2905	NEC COLOR	12	10
2904	NEC GREEN	12	10
2908	SANYO 12"	12	10
2907	SANYO 9" GREEN	10	9
	** TEXWIPE		
3157	CRT CLEANING KIT DTC290	14	12 .
	** WILSON JONES	2.	
3381 3380	ANTI STATIC KIT VIDEO DISPLAY CLEANER KIT	11 20	
	19		

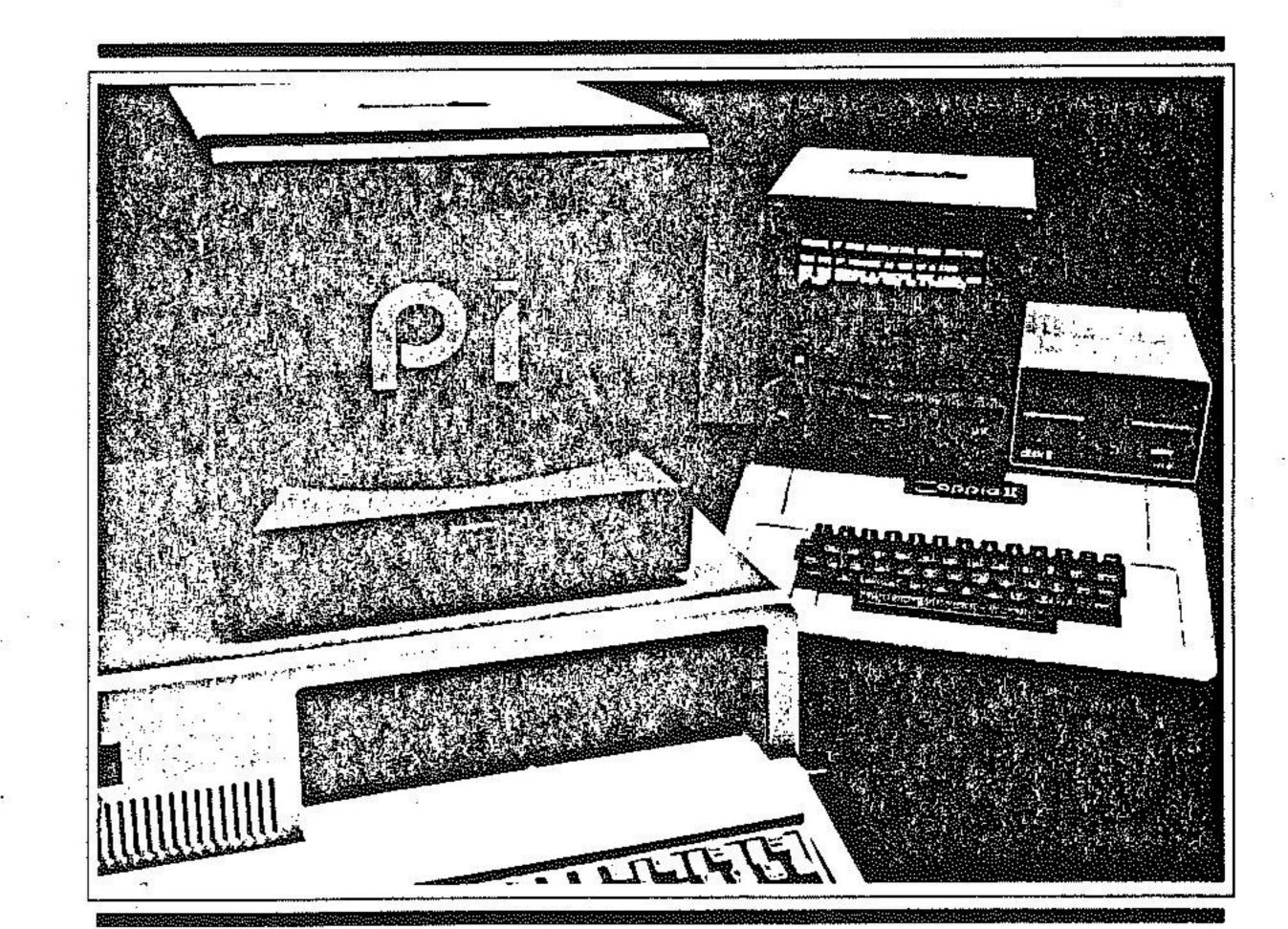
Continued from Page 98.

#### 

FENULTICOPY

Penulticopy, made by ALF Products, is designed to make one or multiple copies of non protected disks, fast and without first INITializing each disk. We are using Penulticopy and Find it is great. Actual copy time "about 31 seconds, but Penulticopy saves time in several other ways that make it superior. You may copy up to ? copies in sequence depending upon how many . Hisk drives and controller cards you have (2 drives and 1 or 2 controller cards are the required minimum. Because the drives are turned on, off and on in sequence the load on the Apple power supply excessive. Of course, ALF Products also sells a diamond studded external replacement power supply for only a little less than (the diamonds are free). Penulticopy seems to have many trapping and checking routines that help insure faithful Also, it copies Pascal and copies! There is a slight catch and that is you must checkout and reset motor speeds of your disk to them match. drives make Penulticopy includes a motor speed program and simple documentation. Check the software section under ALF for our price.

The way I want to die.



# Your Obvious Choice In Monitors

The new USI Pi series of video monitors is a true breakthrough in quality, performance . . . and value.

High Resolution
Make a side-by-side comparison
with other video monitors.
You'll see clean, crisp, quality
character generation like you've
never seen before.

With this kind of dramatic clarity on individual characters, imagine what it will do for graphics!

Next-Generation Amber Displays In addition to our easy-on-theeyes green displays, USI is the first to offer advanced amber monitors in the U.S.

Major research has shown that amber displays reduce eye strain—even after long periods of use. No other monochrome color even comes close.

100% Tested, Better Support Every USI monitor gets a 100hour factory burn-in. Then we re-inspect it before it's shipped.

And, we back-up all of our monitors with a truly exceptional over-the-counter service policy.

The entire Pi series is design-

Pi-1

9-inch

24 lines

80 characters

P-31 (green)

115 V, 30 watts

1000 lines

15,600 Hz

Power switch

Brightness Vertical hold

Horizontal hold

RCA phono jack

Contrast

SO-239

60 Hz

20 MHz

and plug-compatible with every major small business and personal computer—including Apple,® IBM® and Osborne.®

The Choice is Yours
• Pi-1—Stackable 9-in, green
• Pi-2—Conventional 12-in, green

 Pi-3—New 12-in, amber Contact us or your local dealer today.

415 468-4900

Pi-3

12-inch

24 lines

80 characters

1000 lines

20 MHz

15,600 Hz

Power switch

Brightness Vertical hold

Horizontal hold

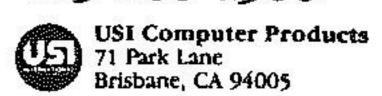
RCA phono jack

Contrast

60 Hz

P-27LA (amber)

115 V, 30 warts



#### MODEL:

Screen Size (Diagonal): Display Area:

Phosphor:
Horizontal resolution at center:
Horizontal band width:
Power requirements +/- 10% @ 60 Hz:
Horizontal rate:
Vertical rate:

Front panel controls:

Input jack:

Dimensions:

Width: Beight: Depth:

Weight:

Warranty: 90 days on all parts and labor.

Pi-2

12-inch 80 characters 24 lines P-31 (green) 1000 lines 20 MHz 115 V, 30 wat

20 MHz 115 V, 30 watts 15,600 Hz 60 Hz Power switch Contrast

Contrast
Brightness
Vertical hold
Horizontal hold

SO-239 RCA phono jack

8%" 8%" 9%" 12" 11%" 12"

14.6 pounds 23.3 pounds

23.3 pounds

12" 11%" 12"

98

NMER F	TTEM	T LI	ST 5	ELL				NMBR	P ITEM	1	LIST	SELL
	** APPLE SOFTWARE BEGINS	o emiser <del>T</del> e		raced Clark 3	30		*	\$ 18		asa ti <del>T</del> i		
	PARENTHESES MEANS THE ENCLOSED ITEM IS REQUIRED!	<b>.</b>						ez	** ADVISION	_		
	** AARDVARK SOFTWARE			93	127		8	5049	SANDY WORD PROCESSOR	В	345	259
	***								** AGS SOFTWARE			
5000	INDIVIDUAL TAX PLAN	₿ 3	300	231				5052	AGS MACHINE LANGUAGE SORT-CP/M		50	24
	** ABT MICROCOMPUTER SOFTWARE	_	100					5050 5051	SEX-O-SCOPE	R	30 30	24. 24
5001	DATA-TRANS (MMII/SM300/1200)	0 1	00						** ALF PRODUCTS		***	
88	** ACCENT SOFTWARE	•						5058	ALBUM 0/HC16 - ALBUM A/HC1	. 0	15	13
5002 5005 5006 5003 5004 5007	ACCU SHAPES LOOP HOLE SOFT STEP & ACCU SHAPES *DEMO SOFT STEP-DEBUG APPLESOFT TGS: THE GRAPHIC SOLUTION TGS: THE GRAPHIC SOLUTION *DEMO	6 6 6 1	50 25 50 50	37 20 8 37 106 9		19		5059 5067 5060 5061 5062 5063 5064 5065	ALBUM I/MCI6 - ALBUM B/MCI ALBUM 10/MCI6 - ALBUM C/MCI ALBUM 3/MCI6 - ALBUM D/MCI ALBUM 4/MCI6 - ALBUM E/MCI ALBUM 5/MCI6 - ALBUM F/MCI ALBUM 6/MCI6 - ALBUM F/MCI ALBUM 8/MCI6 - ALBUM I/MCI ALBUM 9/MCI6 - ALBUM I/MCI ALBUM 9/MCI6 - ALBUM J/MCI	00000000	15	13 13 13 13 13 13 13 13
	** ACE COMPUTER PRODUCTS			95				5056	EAR TRAINING (APPLESOFT)	0	50	47
5009 5008	ACEMAIL 1200 (SM1200) ACEMAIL 300 (SM300)	0 1						5055 5054 5053 5057	EAR TRAINING (INTEGER) GENERIC XMAS ALBUM PENULTICOPY PROCESS SERIES	0	50 10 35 50	47 9 33 47
	** ACTION RESEARCH NORTHWEST				•		*		AX ALTEN GROUP THE			
5014 5013	AIDA AUTO INTERACTION DETECTION AIDA ENCORE			7B 40					** ALIEN GROUP, THE	15 3 31 <u>2</u> 5		
5012 5010 5011	AIDA STATISTICAL ANALYSIS ZARDAX WORD PROCESSOR ZIP-COMM-UTILITY FOR ZARDAX		35 2 95 2	12 24 66	<u>6</u> 79			5068	** ALPHA SOFTWARE	O	215	137
50	** ADVANCED BUSINESS TECHNOLOGY							5070 5069	APPLE-IBM CONNECTION TYPEFACES	U G	195 125	130 80
5015 5016	PASCAL TOOLS 1	U 7	75			13			** APPARAT			
5017	RETAIL MANAGER	B 220	00 17	02				5071	EXTENDER-APPLESOFT	Ü	25	24
	** ADVANCED DATA INTERNATIONAL							5073 5072	FOOTBALL PREDICTION GENERAL LEDGER	R B	35 80	33 74
5018	ADVANCED POINT OF SALE	9 .			100 200 200						935.X	0.50
5019 5020	CHECK BOOK RECORDING	B 19 B 149	B 372	2000			18		** APPLE COMPUTER SOFTWARE	0		
	** ADVANCED SOFTWARE TECHNOLOGY					93		5074 5076	APPLE DOS TOOL KIT APPLE FORTH+ -FIG FORTH	6 U		66 87
5021	QUICK & EASY DATA MASTER	В 7	70	59			£8.	5075 5077	, == , = ,	U U	200	179 162
		-		29	88			5078 5079	APPLE PASCAL W/O 16K CARD	U	250 150	224 135
	** ADVENTURE INTERNATIONAL							50B0	APPLE WRITER II	B		128
5040 5041	APPLE SPICE COMMBAT (REQ 2 APPLES/MODEMS)	R 2	25	24 20			138		** APPLIED SOFTWARE TECHNOLOGY			
5046	CURSE OF CROWLEY MANOR ELIMINATOR INTERACTIVE FICTION LABYRINTH OF CRETE MISSILE ATTACK	R 3 R 3 R 3	10 10 10	22 22 24 24 24		50		5081 5084 5082 5083	Q-BASE VERSAFORM (64K)(BO COL RCM)	B B	245 189 389 495	133 267
5045 5047 5048	MISSION IMPOSSIBLE MORTONS FORK OTHER VENTURES 1	R 3	Ó	32 24 16		20		[4]	** ARROW MICRO SOFTWARE	8	į	, ,
022 025	REAR GUARD SAGA OI ADVENTURELAND	R 3	0 :	22 29				EADE	DOS FILE EXCHANGE 1.0 (MMII)	0	45	×
1026 1027 1028	SAGA 02 PIRATES ADVENTURE SAGA 03 MISSION IMPOSSIBLE SAGA 04 VOODOO CASTLE	R 4 R 4 R 4	0 :	29 29 32				5085 5086 5087	PASCAL FILE EXCHANGE (MMII)	0	45	
M. 146	SAGA 05 THE COUNT SAGA 06 STRANGE ODYSSEY	R 4	0 :	32 32					** ARTIFICIAL INTELLIGENCE			
				32 32			a.	5088		R	25	20
1033	SAGA 09 GHOST TOWN SAGA 10 SAVAGE ISLAND I	R 4	0 :	32 32		8	: 8) ₂ ,	5090 5089	ELIZA-OBJECT CODE (CP/M) ELIZA-OBJECT+SOURCE CODE	R R	25 ⁻ 45	20 36
035 036	SAGA 11 SAVAGE ISLAND II SAGA 12 GOLDEN VOYAGE	R 4	0 :	32 32	65 V	zi.	s = ===	5091	ELIZA-OBJECT+SOURCE CODE (CP/M)	R	45	36
1043	STONE OF SISYPHUS	R 3	0 2	26 24	18 500			S	SEE ADVANCED LOGIC SYS	T	EMS	ON F
	TUNNEL TERROR I	R 3:		22 19	255		100				88	

** BEAGLE BROTHERS  ** ASHTON-TATE  ** ASHTON-	HBR P	17EM	T L15	ST SELL			NMBR	P ITEM :	( 	† 	LIST	SELL
1909   ACTION SOUNDS & MIRES SCRIL		** AVANT-84RDE CREATIONS	×			60		** ART-SCI/SOFTAL	PE			
## BARRINGTON EDUCATIONAL    111   SCREEN HACHINE   SI11   SCREEN HACHINE   SI12   STARHINES   SI12   STARHINES   SI12   STARHINES	90213445518968763878960192364236185	ACTION SOUNDS & HIRES SCRL AIR TRAFFIC CONTROLLER CREATIVE TOOL BOOK, THE DEATH RACE B2 DEEP SEA TFEASURE EPSON HIRES DUMP FEDERATION GRAPHICS AFFLICATION SYSTEM HIRES ARCHITECTURAL DESIGN HIRES COMPUTER GOLF HIRES COMPUTER GOLF 2 HIRES ELECTRONIC DESIGN HIRES SECRETS INTRODUCTORY ALGEBRA JUMP JET LAZER MAZE LOGIC & EUCLIDEAN GEOMETRY MAIL LABEL & FILING SYSTEM RACE FOR MIDNIGHT SENTENCE DIAGRAMMING SOUND & HIRES SCROLLING SUPER SHAPE DRAWING & ANIMATIO TRIPLE ARCADE INSANITY ULTRA FUNCTION PLOT ULTRA PLOT ULTRA PLOT ULTRA PLOT/DIF/DATA GRAPH WORD SCRAMBLER & SUPER SPELLER ZERO GRAVITY PINBALL ZES-AUTHORING SYSTEM	R 6 R 8 B 8 E 8 R E 6 B R G 6 G E R B 250 R B	6 13 5 22 3 10 5 22 5 24 0 22 5 24 0 22 0 22 0 22 0 22 0 22 0 22 0 22 19 14 5 22 0 44 0 78 0 78 0 78 0 78 0 78 0 78 0 74			5124 5108 5107 5115 5107 5110 5110 5110 5110 5110	APPLE '21' APPLE LIS'NER APPLE TALKER BAKERS TRILOGY BEST OF BISHOP BRIGHT PEN DISK CASINO GAMING ASS CRAPS CROSSWORDS DIABLO RAM DRIVER DISK UTILITIES DRAW POKER EPSON RAM DRIVER FORTE FORTH II GOMOKU JOURNEY MAGIC CALC MAGIC MAILER MAGIC MEMORY MAGIC PAK 80 MAGIC PAK 1 MAGIC PAK 1 MAGIC SPELL MAGIC SPELL MAGIC WINDOW MAGIC WINDOW MAGIC WINDOW MAGIC WINDOW MAGIC WINDOW MAGIC WORDS MICROGAMMON II PENSOFT PHOTAR REVERSI	SORTHENT  A0/70/80 COL	- ROORUGRRRUURUKURRSASSBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	30 25 40 55 70 25 20 30 20 30 150 100 272 225 100 149	20 20 20 20 20 20 20 20 20 20 20 20 20 2
Second	92		U 20	0	£	200 200 2	5111 5101	SCREEN MACHINE SPINWRITER RAM DI	RIVER	R G U R	30 20 20	24 16 16
Signature		** BEAGLE BROTHERS	<b>.</b> 100					** ASHTON-TATE				8.
## AVALON HILL  ##  ## BIST COMPUTER CONSULTS  ## AVALON HILL  ##  ## BIST CHRUCH  ##  ## AVALON HILL  ##  ## BIST CHRUCH  ##  ## AVALON HILL  ##  ## BIST CHRUCH  ##  ## BIST CHOPUTER SCORE ## AVALON HILL  ##  ## BIST CHOPUTER SCORE ## AVALON HILL	94 95 94 95 97 98 99	APPLE MECHANIC BEAGLE BAS DDS BOSS DOUBLE TAKE FLEX TEXT FRAME UP PRONTO DOS TIP DISK 1 TYPEFACES (RED APPLE MECHANIC)	U 30 R 30 U 24 R 35 6 30 U 30 U 20 U 20	0 22 0 22 4 18 5 26 0 22 0 22 0 22 0 15			5772 5128 5129 5130 5131	dBASE II (6° CP/M dBASE II (CF/M 64 FINANCIAL FLANNER FRIDAY  ** ASPEN SOFTWARE GRAMMATIK & PROOF GRAMMATIK (CP/M)	M 8 BIT)  4K) (BO COL RCM)  R  READER (CP/M)	8 8	760 295 125 50	300 469 469 519 150 97 40 59
	*8	** BEAMAN PORTER	5			8		N - AUAI 6M 1141	<b>L</b>			\$1 \$1
5208 BEZ-MAN R 23 19 5138 COMPUTER STATIS PRO BASEBALL 5209 BEZ-OFF R 33 27 5151 CONFLICT 2500 5207 BEZ-WARS R 27 22 5160 CONTROLLER 5140 DRAW POKER 5140 DRAW POKER 5141 EMPIRE DF THE OVERMIND 5210 THE WORD PROCESSOR E 200 154 5142 GALAXY 5211 THE WORD-BOOK OF JOHN *DEMO E 10 7 5144 GUNS OF FORT DEFIANCE 5152 LORDS OF KARMA ** BLUE CHIP SOFTWARE 5212 MILLIONAIRE R 60 48 5155 PLANET MIDWAY CAMPAIGN 5215 SHOOTOUT AT THE OK GALAXY 5145 SHOOTOUT AT THE OK GALAXY 5146 SPACE STATION ZULU	205 206	POWERTEXT (REQ LC & SHIFT MOD) POWERTEXT (REQ PASCAL)	B 320	0 254		After	5154 5136 5137	ANDROMEDA CONQUES B-1 NUCLEAR BOMBE CLOSE ASSAULT COMPUTER ACQUIRE	ST ER	RRRR	23 21 35 25 26	19 28 20
** BIBLE RESEARCH SYSTEMS  5141 EMPIRE OF THE OVERWIND 5143 G.F.S. SORCERESS 5142 GALAXY 5211 THE WORD-BOOK OF JOHN *DEMO E 10 7  5144 GUNS OF FORT DEFIANCE 5152 LORDS OF KARMA 5155 MIDNAY CAMPAIGN 5156 NORTH ATLANTIC CONVOY RAIDER 5212 MILLIONAIRE  R 60 48  5141 EMPIRE OF THE OVERMIND 5143 G.F.S. SORCERESS 5142 GALAXY 5144 GUNS OF FORT DEFIANCE 5152 LORDS OF KARMA 5155 MIDNAY CAMPAIGN 5156 NORTH ATLANTIC CONVOY RAIDER 5153 PLANET MINERS 5159 S.C.I.M. M.A.R.S. 5145 SHOOTOUT AT THE OK GALAXY 5146 SPACE STATION ZULU	209	BEI-OFF	R . 3	3 27			5158 5138 5151 5160 5139	COMPUTER STATIS P COMPUTER STOCKS & CONFLICT 2500 CONTROLLER DNIEPER RIVER LIN	RO BASEBALL BONDS	R R R R	35 25 21 30 30	20 17 24
** BLUE CHIP SOFTWARE  5156 NORTH ATLANTIC CONVOY RAIDER  5153 PLANET MINERS  5159 S.C.I.M. M.A.R.S.  5145 SHOOTOUT AT THE OK GALAXY  5146 SPACE STATION ZULU		THE WORD PROCESSOR THE WORD-BOOK OF JOHN *DEMO		0 154	B8	;	5141 5143 5142 5144 5152	EMPIRE OF THE OVE G.F.S. SORCERESS GALAXY GUNS OF FORT DEFI LORDS OF KARMA		RARRARA	25	17 26 28 20 20 20
	?12		R 60	0 48	<b>新</b>		5156 5153 5159 5145 5146	NORTH ATLANTIC CO PLANET MINERS S.C.I.M. M.A.R.S. SHOOTOUT AT THE O SPACE STATION ZUL	IK GALAXY	RRRRR	25	17 20 20
SEE PAGE 3, MISSING PRICES  5147 TANKTICS 5148 TELENGARD 5134 THE ALIEN 5149 VC-SHORT FOR VIETCONG 5150 VOYAGER		★SEE PAGE 3, M	SSIN	-		§.	5147 5148 5134 5149	TANKTICS TELENGARD THE ALIEN VC-SHBRT FOR VIET	CONG	R R R R R	40 29 28 28 25 25	24 23 23 20 20

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	NMBR P	ITEM	T -	LIST	SELL					AMER P	ITEN		LIST	5ELL
										33	122			
	*													
		** BPI SYSTEMS									** CAVALIER COMPUTER			
	18	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	9		112-100-0-0-00					<b>FD77</b>	ACTEROID FIELD	D	30	22
	5215	BPI ACCOUNTS PAYABLE		395						5273 5275	ASTEROID FIELD BUS ATTACK	R	30	
	5214 5213	BPI ACCOUNTS RECEIVABLE BPI GENERAL LEDGER	A	395 395	294					5276	MICRO WAVE	R	35	26
	5218	BPI INVENTORY CONTROL	Đ	395						5277	STAR THIEF	R	30	
	5217	BPI JOB COSTING	B		446		361			5274	TELEPORT	R	30	22
	5216	BPI PAYROLL	B	395										
	5220 5221	CHURCH MANAGEMENT *DEMO	8	442	294 33					X.	** CAXTON SOFTWARE			
	5219	TIME ACCOUNTING SYSTEM	B	395	255							100	1 • CLONGO (1970) (III	
	0.000		57505							5771	CARDBOX (8° CP/H)	B	245	173
	(3)										· ·			
		** BRODERBUND SOFTWARE									** CDEX			
	5222	AE	R	35	26		·			424.542345		) 2000	104821	201220
	5249	ALIEN RAIN-GALAXIAN	R	25	20					527B	TRAINING FOR VISICALC	E	60	48
	5226			30	22				100					
	5227 5228	ARCADE MACHINE II BANK STREET WRITER	R B		44 50	***					** COMPUTER DATA SYSTEMS			
	5253	BSI ACCOUNTS PAYABLE		295						2.00			104	2.22
9	5224	BSI ACCOUNTS RECEIVABLE	В	395	272	628				5279 5280	MEMORY MANAGEMENT SYSTEM II MEMORY MANAGEMENT SYSTEM-CORVUS	. 31700		33 B4
	5254	BSI GENERAL LEDGER		395				188		JYBV	MENUAL MANADEMENT STSTEM-CDRYUS	U	100	07
	5223 5225	BSI GENERAL LEDGER W/FAYABLES BSI PAYROLL		495 395										
	5229	CHOPLIFTER	R		26						** CENTRAL FOINT SOFTWARE			
	5238	DAVIDS MIDNIGHT MAGIC	R	35	.26					5201	COPY 11 PLUS	11	40	2 <b>7</b>
	5247	DEMON DERBY -	R	25	20					5281 5282	FILER, THE	U	20	27 14
	5230 5255	DUELING DIGITS  GALACTIC EMPIRE	R	30 25	27 19			185				958		
	5232	GALACTIC REVOLUTION	Ŕ	25	19									
	5231	GALACTIC TRADER	R		19				~		** CMA MICRO COMPUTER DIVISION			
	5233	GALAXY WARS	R		20					5287	ACADEMIC SECRETARY	F	250	224
	5234 5235	GENETIC DRIFT BOLDEN MOUNTAIN	R	30 20	22 16	<b>1</b> 01				5305	APPOINTMENT CALENDAR		100	
	5236	GUMBALL FACTORY	R		22					5292	ATTENDANCE	E		
	5237	LABYRINTH	R	30	22					5284	CIRCUIT ANALYSIS	0	150	
	5256	LAST REDOUBT	R							5283 5319	CLASS SCHEDULING CLIENT MEDICAL BILLING (BO COL)	E E	350 1596	
	5251	LODE RUNNER MAZE MACHINE	R R	MATERIA						3431	CMA LIGHT PEN		80	
	5257 5250	QUESTRON	R							5294	CMA LIGHT PEN QUIZ	E	50	
	5239	RED ALERT	R		5 (SAME)					5310	CONSTRUCTION ACCOUNTING SYSTEM	В		
	5240	SEA FOX	R	30				× 5		5320	DENTAL OFFICE MANAGEMENT I		860 1296	
	5241 5244	SERPENTINE SKY BLAZER	R							5321 5322	DENTAL OFFICE MANAGEMENT 11 DENTAL OFFICE MANAGEMENT 11C		1696	
	5242	SPACE QUARKS	R							5285	DOCUMRITER TEXT PROCESSOR	₽	200	
	5243		R							5286	DOCUMRITER TP-HARD DISK VERSION	B	250	
	5252	SPARE CHANGE	R						.*.	5295	ELECTRIC GRADE BOOK	Ε	700	47
	5245	TANK COMMAND	R	15 30						5293 5311	GRADING SYSTEM JOB COST ACCOUNTING	9	300 460	
	5248 5246	TAWALAS LAST REDDUGT	R	30						5290	MASTER HAILING LIST	Ē		
	,-		1/2/2							5299	MASTER TEXT PROCESSOR	B	140	
					33					5313	MEDICAL OFFICE MANAGEMENT I	0.33	796	
		** BUD6EG0							•3	5312 5314	MEDICAL OFFICE MANAGEMENT II MEDICAL OFFICE MANAGEMENT IIC		1196	
	5259	PINBALL CONSTRUCTION SET	R	40	32				85	5315	MEDICAL OFFICE MANAGEMENT IIL		1196	
	5258	RASTER BLASTER	R							531B	MEDICARD (REG VISICALC 3.3 68K)	В	250	
		# 0								5316	MEDIREC	В	350	
		a - Milimetaliwana anal limetalia								5317 5289	MEDIREC-HARD DISK VERSION MID-TERM REPORT		400 250	
		** BUSINESS SOLUTIONS	\$5 88				0.000			529B	ONE-TYPE ACCOUNTING			
	5260	INCREDIBLE JACK	₽	179	161		(3)			5304	PAYCHECK (REQ PRINT CHECK ACTS)		140	
			0.000		. Services					5309	PAYRECDRD		130	
								29		5302 5306	PAYROLL I PERSONAL ACCOUNTING	H	120	
		** CALIFORNIA PACIFIC COMPUTER	<u></u>							5202	PRINT CHECK ACCOUNTING	В		
	5265	AKALABETH-WORLD OF DOOM		35	26					5001	PROFESSIONAL OFFICE MANAGEMENT	В	696	601
	5266	APPLEOIDS & CHIPOUT	R	30	22			4		5000	PROJECT MANAGEMENT		95	
	5268	APPLEOIDS & CHIPOUT BRAINTEASER BOULEVARD CHIRP	R	25	19		5.			5307 5308	REPROGRAMMABLE DATA BASE PLUS			
	5269									530 <b>8</b> 52 <b>91</b>	STATISTICS PAC		100	
	5272 5270	COSMO MISSION SUPER INVADERS DESECRATION		25 40			832			5296	STOCK PORTFOLIO	B	140	126
	5263	FENDER BENDER	R	25				<b>8</b> 6		£297	SUCCESS DESK ACCOUNTING SYSTEM			
	5264	GRAPHIC 3D SYSTEM-BUDGE	6	40	29					5288	TEACHER PLUS PAC	E	70	64
	5271	HUNGRY BOY	R	25										•00
	5262 5261	SPACE ALBUM-BUDGE TRIOLOGY OF GAMES-BUDGE	K	40 30	29 27						** COMMSOFT			
	5267	ULTIMA	R							\$ 2.00\$ set at 200 cm **		<b>.</b>	<u> </u>	ت نورون
	Commission of the Control of the Con		2000	2013.50	X 1997					5323	ROOTS/M (CP/M)	Đ	195	150
										3:	\$45			
											** COMMUNITREE GROUP			46
		577								_ (2000 an		<u> </u>	8 <u>191</u> 00	
		•								5324	COMMUNITREE 1 (MMII)	0	250	
										(Camaro				

NHBR	P ITEM .	T _	LIST	SEL			NMBR P	ITEM		LIST	SELL
	** COMPUTEK	13				28		** CONTINENTAL SOFTWARE	źś		72
5326	CRIBBASE II	R	30	22			5372	APPLE GRAPHICS ARCADE	-	70	14
5325	SOLITAIRE	R	30	22			53B3 `	APPLE SOFTWARE	Ö	20 20	18
							5365 5366	COMPUTER BINGO	R	25	
	** COMPUTER ADVANCED IDEAS						5377	CROSS COUNTRY RALLY CSI 1 GENERAL LEDGER	B	30 250	2022-2016
533B	DACIC CRILLS (DEC MM)	_	70				537B 、	CSI 2 ACCOUNTS RECEIVABLE	B	250	170
5343	BASIC SKILLS (RED MM). BUG BYTER	E	4B	16 38			5379 5380	CSI 3 ACCOUNTS PAYABLE CSI 4 PAYROLL	B	250 250	9010001000
5341	FOREIGN LANGUAGES (REQ MM)	E	20				5373	FIRST CLASS MAIL & FORM LETTER	10000	75	53
533 <b>3</b> 5334	FUN WITH FACTS I (REQ TTS) FUN WITH FACTS II (REQ TTS)	E	20 20	16 16			5374 5367	FORM LETTERS FOR APPLE GUARDIAN	B	30	
5327	GAME SHOW-GS	E	40	32			5375	HOME ACCOUNTANT	B	75	
5335 5337	HISTORY (REQ TTS) MASTER MATCH-MM	E	40				5382 5368	HOME ACCOUNTANT *DEMO	Ħ		33
5340	MATH & SOCIAL STUDIES (REG MM)	E		32 16			5369	HYPERSPACE WARS LA LAND MONOPOLY	R	30	
5331	MOVIES & TV (REQ GS)	E	20			99	5381	PROPERTY MANAGEMENT	8	495	328
5330 5339	PEOPLE PLACES (REQ GS) SCIENCE & MATH (REQ MM)		20 20	16 16			5371 5376	SKIING IN 3D TAX ADVANTAGE	R	25 60	18 42
5336	SPORTS FACTS (RED TTS)			16			5370	TORPEDO TERROR	R	25	
5332 5347	TIC TAC SHOW-TTS	E	40	32			22				
53 <b>45</b>	ULTRA DISK TEST ULTRA FAST COPY	IJ	30 30	24 24				** CRAFTSBURY SOFTWARE			
5346	ULTRA FAST LOADER	U	30	24			E 7 D A		8		
5344 5328	ULTRA TEST/COPY/LOADER COMBO WIN WITH WORDS I (REQ 65)		60 20	46			53B4 5390	MAIL MANAGER MEMORY JOGGER	B	40 30	
5329	WIN WITH WORDS II (REQ GS)	Ε	20	16			5389	PEDPLE TRACKER	В	30	
5342	WIZARD OF WORDS	E	40	32			5392 5391	PEOPLE, MEMORY & PERSONAL PAC PERSONAL WEALTH	B	50	
							5385	RECIPE RETRIEVER	0	30 30	
	** COMPUTER APPLICATIONS						5388	RECIPE, WINE & RESTAURANT PAC	0	60	
5348	APPLE LINK (MMIT)	O	60	52	. No		5387 5386	RESTAURANT ROSTER WINE CONNOISSEUR	0	30 40	
5349	APPLE LINK (MMII) NIBBLES AWAY II	Ū	70	55				•	•	70	
	** COMPUTER STATIONS						E707*	** CRANE SOFTWARE	g Victoria		
5350	COMBINED ENHANCED GRAPHICS	6	35	24			5393	MENU GENERATOR	IJ	40	32
5351	GRAPHIC WRITER	G	55	37						83.	
5355 5356	MACRO-SCED-SCREEN EDITOR SOME COMMON BASIC FROGRAMS		50 40	33 27				** CREATIVE CURRICULUM	2		
5352	ULTRA HIRES GRAPHICS IDS440/445	6	50			*	539B	AMERICA GROWS 1-LEVEL 4	E	80	55
5353 5354	ULTRA HIRES GRAPHICS IDS460/560 ULTRA HIRES GRAPHICS MX80/100			33		ø	5399	AMERICA BROWS 2-LEVEL 5	Ε	80	55
,1001	DELINA HINES GRALUICS MXGOVIO	6	50	33		>*	5400 5401	AMERICA GROWS 3-LEVEL 6 AMERICA GROWS 4-LEVEL 7	E	80 80	55 55
	AAUAUTEENAANS						5402	AMERICA GROWS 5-LEVEL B	E	BO	55
	** COMPUTERWORKS						5403 5396	AMERICA GROWS 6-LEVEL 9 PHRASE READING 1	E	80	55
5357	MAILMATE	B	99	59			5397	PHRASE READING 2	E	50 60	35 42
							53.95	SPEED READING *DEMO	E	200 AU	. 11
	** COMSHARE TARGET SOFTWARE. *** ALL REQUIRE CP/M & 64K						5394	SPEED READING COURSEWARE	Ε	99	68
5362	MASTER PLANNER	В	325	250				** CUST'MSOFT >			
5359 5361	PLANNER CALC & APPL PAC		99	78			5404	CAREER INVENTORY ASSESSENT	E	80	
5360		B	125 50	71 40							
5358	PLANNER GUIDE	8	99					** CYBERTRONICS INTERNATIONAL			
				89	Ŷ.		5405	KAREL THE ROBOT-PASCAL PROMMG	U	242	186
	** CONSULTANT SYSTEMS	_	200			**				88	36
5363	REAL ESTATE CONSULTANT 2.0	B	275	224			5409	PA DAKINS/LEVEL 10			
5	** CONTEXT MANAGEMENT SYSTEMS						5414	ALKEMSTONE BUDGET PLANNER	R B	29 150	23 114
5364	CONNECTOR THE /WM11 DIETERIES		1.00		- 59		5415 5412	BUSINESS BOOKKEEPING SYSTEM DEPRECIATION PLANNER	B	395 395	294
2204	CONNECTOR, THE (MMII-VISICALC)	U	180	128		8	5413	DEPRECIATION FLANNER *DEMO	B	373	294 8
196	XX						5406	DRAGON FIRE	R	29	23
	1/8				281		5408 5407	FANTASY COMBO KAVES OF KARKHAN	R	49 29	39 23
							5417	MIRV	R	25	20
	ADDISSOR AND TO PERSON ASSESSMENT AND ADDISON ASSESSMENT ASSES						5416 5411	PROGRAMMING AIDS 3.3	R	25	20
	** ADVANCED LOGIC SYSTEMS							RINGS OF SATURN	Ř	90 29	70 23
3587	CONDOR JUNIOR	1	95 1	15				SPACE RESCUE	R	25	20
3588	CONDOR 1	2	95 1	73							
3589	CONDOR 3	6	50 3	50							1

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5475 HATH BLASTER

5474 WORD ATTACK

5476 SPEED READER II

NMBR P ITEM

** DYNACOMP

BACKGAMMON 2.0

BEAM DEFLECTION

BLACKJACK COACH

CELESTIAL BASIC

CHILDRENS CAROUSEL

FAMILY BUDGET, THE

BRIDGE MASTER

DATA SMOOTHER

DIGITAL FILTER

FILTER ANALYSIS

FLIGHT SIMULATOR

FOURIER ANALYZER

HARMONIC ANALYZER

LOGIC SIMULATOR

PAYFIVE-PAYROLL

POKER MACHINE

POKER PARTY

REGRESSION I

REGRESSION II

ROOTS

HENSA MASTER

MONARCH

HOONPROBE

MANAGEMENT SIMULATOR

MICROCOMPUTER STOCKS-MSP

OLDE GIN PARLOUR-GIN RUMMY

PERSONAL FINANCE SYSTEM

REGRESSION MULTI I & 11

SCIENTIFIC SUBROUTINES I

SCIENTIFIC SUBROUTINES II

SOFTNET-LIQUID PIPELINE ANAL

REGRESSION MULTILINEAR

SHAPE MAGICIAN, THE

STARSHIP LANDING PARTY

STATISTICAL SUBROUTINES I

TEACHERS AIDE-MATH GRADES 1-6

TEXT MASTER-GF TEXT EDITOR

TRANSFER FUNCTION ANALYZER

WINDMERE ZODIAC ADVENTURES

UTIL-APPLESOFT DISK UTILITY

** EAGLE SOFTWARE PUBLISHING

MONEY DECISIONS I & 11 PAC

** EARTHWARE COMPUTER SERVICES

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** EASTERN SOFTWARE/LOGICAL CHC

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5573 STAR SEARCH-EDUCATION VERSION E 45 32

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STOCK MASTER/STOCK PLOT

SPACE EVACUATION

SPACE LANES

STARBASE 3.2

TAX OPTIMIZER

TEACHERS BRADEBOOK

MONEY DECISIONS *DEMO

MONEY DECISIONS I

MONEY DECISIONS II

5592 ZOO MASTER - COMING SBON

5594 CASTLES OF DARKNESS

5550 STAR SEARCH

5591 VOLCANDES

SPACE TILT

STATTEST

PORTFOLIO MANAGEMENT

LIFE CYCLE ANAL/DEPRECIATION

SAMES PAC 1

HODGE PODGE

LEM LANDER

60 FISH

GAMES PAC II

BATTLEFIELD

BLACK HOLE

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ACTIVE CIRCUIT ANALYSIS (ACAP)

I LIST SELL

### SOFTWARE-APPLE

NMBR P ITEM

T LIST SELL

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	** DEVELOPMENTAL LEARNING MAT			
5533	ALIEN ADDITION-HOME	E	29	28
5534	ALIEN ADDITION-SCHOOL	E	39	37
553 <b>5</b> 5536	ALLIGATOR MIX-ADD/SUB-HOME ALLIGATOR MIX-ADD/SUB-SCHOOL	E	29 39	28 37
5537	DEMOLITION DIVISION-HOME	E	29	28
5538 5538	DEMOLITION DIVISION-SCHOOL	E	39	37
5539 5540	DRAGON MIX-MUL/DIV-HOME DRAGON MIX-MUL/DIV-SCHOOL	E	29 39	28 37
5541	METEOR MULTIPLY-HOME	E	29	28
5542 5543	METEOR MULTIPLY-SCHOOL MINUS MISSION-HOME	E	39	37
5544	MINUS MISSION-HOME MINUS MISSION-SCHOOL	E	29 39	2B 37
	** DICKENS DATA SYSTEMS	8		
5546 5547	SUPERPLOTTER WALL STREET & SUPERPLOTTER	B	70 195	70 175
5545	WALL STREET PLOTTER	В	125	125
i.	** DIGITAL MARKETING			
	*** ALL REQUIRE CP/M	E _		
5550 5551	BIBLIOGRAPHY CARDFILE	B B	125 89	112 81
5552	CBASIC 2	Ü	150	109
5553	DATEROOK II	В	295	25B
5554 5555	DENTAL PRACTICE MANAGEMENT FILEFIX	B	995 89	849 B1
5556	FOOTNOTE	B	125	112
5557 5550	BRAMMATIK HYPER TYPER	B €	75 50	69 47
5559	IBR	В	125	112
5549	MICRO LINK II (MMII/S#300/1200)	0	89	18
5548 5560	MILESTONE-PROJ MBMT/SCHED (CPM) NOTEBOOK	B	295 150	227 135
5561	ORBQUEST ,	R	40	37
5562 5567	PERSONAL DATEBOOK	В	150	135
5563 5564	PLAN 80 PROOFREADER	B	295 50	25B 47
5566	SPECIALIST-MULTI	B	1495	1246
5565 5567	SPECIALIST-SINGLE SPELLBINDER	B B	995 495	849
5568	SYNOPSIS	В	89	281 81
	** DIGITAL RESEARCH		î.	ě
5569	C BASIC (CP/M)	IJ	150	115
5570	CB-80 (CP/M)	U	500	115 375
5571	PASCAL MT+ (CP/M)	IJ	350	263
5572	SPEED PROGRAMMING PK6 (CP/M)	U	200	154
339	** DJR ASSOCIATES  *** ALL REQUIRE CP/M			
5573	FMS-80-DATA BASE	В	395	250
5574	FMS-B1-THE SECRETARY	В	250	163
	FMS-82-LANGUAGE SYSTEM	B	145	95
5576	VIDEO TAPES	₿	100	97
188	** DON'T ASK SOFTWARE			
5580	ABUSE	0	20	16
5578 5579	CLAIM TO FAME (REG WR)	Ř	20	16
5577	SAM-SPEECH SYNTHESIZER WORD RACE	O R	125 25	97 19
	62	1975	8677. Tol.	50 <b>7</b> (1) <b>7</b> (4)
	** DOUBLE GOLD SOFTWARE			
5581	RUBIKS CUBE UNLOCKED	R	25	20
	** DOW JONES SOFTWARE		69	
5585	DOW JONES CONNECTOR	B	95	75
5582 5584	DOW JONES MARKET ANALYZER DOW JONES MARKET MANAGER	B	350	294,
5583	DOW JONES MARKET MICROSCOPE	Ð	300 700	250 577

B 199 153

B 399 299

8 229 176

BR P	ITEM	T (	LIST	SELL			NME= P	ITEM	T	LIST	SEL
						82					
	** EDU FUN-MILLIKEN PUBLISHING				FI.			** EPYX/AUTOMATED SIMULATIONS			
95	ALIEN COUNTER/FACE FLASH	E	33	27			5649	CRUSH CRUMBLE & CHOMP	R	30	
0	BATTLING BUGS/CONCENTRATION	E	33	27			5650	CURSE OF RA	R		
9	FRENZY/FLIP FLOP	E	33	27			5651	DANGER IN DRINDISTI	R	20	
9	GOLF CLASSIC/COMPU BAR	E	33	27			5668	DATESTONE/MORLDC/RESCUE COMBO	0.30		
7	SULP/ARROW GRAPHICS	E	33	27		8	5652 5653	DATESTONES OF RYN DRAGONS EYE	.R R		
6	JAR GAME/CHAOS	Ł	33	27			5654	FORE	R	30	
							5655	HELLFIRE WARRIOR	R	40	
	** EDU WARE SOFTWARE					- 8	5656	INVASION ORION	R	25	
							5657	JABBERTALKY '-	E	20	
- 1	ALGEBRA VOL 1	E	40	32			5667	KEYS TO ACHERON, THE	Ř	20	
. 2	ALGEBRA VOL 2	E	40	32			5658 5659	MORLOCS TOWER NEW WORLD	R	20	
3	ALBEBRA VOL 3	Ë	40	32			5660	DIL BARONS	R	100	
. <b>4</b>	ALGEBRA VOL 4	Ŀ	40	32			5661	RESCUE AT RISEL	R	30	4
5	ALGEBRA VOL 5 & 6 COMPU-MATH: ARITHMETIC SKILLS	E	50 50	40			5670	RICOCHET	R	20	*
5	COMPU-READ 3.0		30	24			5662	SORCERER OF SIVA	R	30	
E	COMPU-SPELL (REQ DATA DISK)			24			5663	STAR WARRIOR	R	40	
4	COMPU-SPELL DATA ADULT/SECR		20	16		201	5664	STARFLEET ORION	R	25	
Ş	COMPU-SPELL DATA GRADE 4	E	20	16			5666	TEMPLE OF APSHAI	R	40	
Q.	COMPU-SPELL DATA GRADE 5	E	20	16			5665 5669	TUESDAY MORNING QUARTERBACK UPPER REACHES OF APSHAI	R	30	
1	COMPU-SPELL DATA GRADE 6	E	20	16			5007	OLICA MEMORES OF MISUMI	R	20	
Ī.	COMPU-SPELL DATA GRADE 7 COMPU-SPELL DATA GRADE 8	E	20	16 16							
ò	COUNTING BEE	F		24			6	** EXCALIBUR TECHNOLOGIES 🔻	31		
7	DECIMALS 3.0	Ē	49	39							
3	EMPIRE 1: WORLD BUILDERS	R	33	27			5671	SAVVY (CP/M)	B	950	
4	EMPIRE 2: INTERSTELLAR SHARKS		33	27							
6	EMPIRE 3: ARMAGEDDON . FRACTIONS 3.0	R		27				** EXECUWARE		83	
5 4	HANDS ON BASIC FEOGRAMMING	E	49 79	39		**		TEACCOMMIC .			
7	METRI-VERT	Ŀ	20	62 16			5676	E.O.O.	9	175	1
5	NETWORK	R	20	16			5673	FINANCIAL ANALYSIS	₿	93	
9	PERCEPTION GAMES (RED GAME POL)	E	25	20			5675	KNOW YOUR CLIENT	В	125	
6	PRISONER 2, THE		33	27			5674	REAL ESTATE ANALYSIS	В	275	2
8	PSAT WORD ATTACK SKILLS	Ε	49	39		Q		80			
7	RENDEZVOUS	R	40	32			g.	** EZ TAX			
0 9	SAT WORD ATTACK SKILLS SPACE	b	49	39	2	0.	100	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT			
9	SPACE Z	R	30 25	22 19			5677	EZ TAX	В	70	
22	SPELLING & READING PRIMER	E	40	32					_		
2	SPELLING BEE GAMES	E	30	24							
i	STATISTICS	0	30	24				** FEROX MICROSYSTEMS 🐥			
0 5	TERRORIST UNI-SOLVE	8	30	24			5478	LOGON (MMII/SM300)		150	
i	WINDFALL	ับ R	25 20	20 16		·	5576		U	150	
	ELEDIES			28			*	** FIRST SOFTWARE	76		
	** ELECTRONIC ARTS *						5679	MICROMODEM II TUTORIAL	ß	60	
8	AXIS ASSASSIN	R	35					3.4			
7	HARD HAT MACK	R	35	23							
9 0	PINBALL CONSTRUCTION SET THE LAST GLADIATOR	Ŕ	40					** FLIGHT OPPS			
×	THE EAST OURDINION	n	35	8			5680	FLIGHT PLANNER (MMII)	0	470	
				20	335		1	k. Eleuencher			
	** ELECTRONIC COURSEWARE SYSTEM						(9	** FLOWERSOFT		88	
7	EAR CHALLENGER	Ε	40	32	-04		5683	BANNER	B		
2	ECS COMPUTERIZED BRADEBOOK	E	50	40			5682	D-LABELS+	8		
8	ELEMENTS OF MATHEMATICS	E	50	40	92		5681	DATA BANK-RELATIONAL DB	₿	170	1
3	ELEMENTS OF MUSIC	E	10 10000	79			5684	VC SECRETARY (IN DEVELOPMENT)	B		
6 4	KEY SIGNATURES FITCH NAMES	E	40	32						69	
ື 5	PITCHES ON THE KEYBOARD	E.	40 40	32 32				** FOUNTAIN COMPUTER PRODUCTS			
	The REPORTED	-	70	24	100						

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G 295 227 -G 295 227 U 99 77

U 99 77 U 295 227

U 295 227 U 149 135

U 149 135

U 149 135

5686 TEKTERM (APPLE CAT II)-AVAL JUN 0 5685 TEKTERM (MMII/APPLE COMCARD) 0

*** ALL REQUIRE CP/M CARD

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** FOX & GELLER

5769 dGRAPH (8" CP/M)

5770 dUTIL (B" CP/M) 5687 QUICKCODE

5768 QUICKCODE (B" CP/M)

5692 QUICKSCREEN (CBASIÇ)

QUICKSCREEN (FMS-80)

QUICKSCREEN (MBASIC)

5688 dGRAPH

5689 dUTIL

### SOFTWARE-APPLE

								1 TEM	48000		500
26	** FUNTASTIC							** HAYDEN SOFTWARE			¥.
5693	SPACE KADETIS	- R	35	28	*		5751	ALIBI	 R	25	
		17.5		.ta∀.	â		5748	BELLHOP	R	35	
	eur aleania					*	5747 5766	CHAMPIONSHIP BOLF	R	25	
	** FYI SOFTWARE	12					5767	CLASSROOM GRADE MANAGEMENT SYS COMPILER PLUS (B" CP/M)	£	150	
5694	SUPERFILE	T R	195	13B			5726	COMPILER PLUS-APPLESOFT	ป	100	
0071	DOT EM TEE	D	110	130			5745	CRIMESTOPPER	R	35	
					152		5744	CRYSTAL CAVERNS	R	35	
	** GALFO WB4JMD						5734	FINAL CONFLICT	R	35	
		<del>-</del>	-				5755 5761	60 GREAT MAINE TO CALIFORNIA RACE	R	35 35	
5695 5696	COMMUNICATIONS PAC SLOW-SCAN TELEVISION PAC	U n	30 30				5759	HOW TO PROGRAM IN APPLESOFT			
5070		U	50		6.2		5741	HSI-AP (B" CP/M)	B	449	3
							5740	HSI-AR (8" CP/M)	B	449	
i i	** GEBELLI SOFTWARE				75 		5739	HSI-6L (8" CP/M)	8	449	
		. <del></del> 88					5743 5742	HSI-INVENTORY (8" CP/M) HSI-PAYROLL (8" CP/M)	B	449	
5697 5698	FIREBIRD	R					5727	KAMIKAZE	R	35	3
5699	HIGH ORBIT .	R		22 22			5752	KING CRIBBAGE	R	25	
5700	HORIZON 5	R		26			5750	KLONDIKE 2000	R.	25	
5701	LAZER SILK	R	30	22			5746	LASER BOUNCE	Ř	35	
5702	NEPTUNE .	R		22			5762 5765	MICRO ADDITION FOR KIDS	E	30	
5703 5704	PHAZER FIRE RUSSKY DUCK	R	30 35	22			5765 5764	MICRO DIVISION FOR KIDS MICRO MULTIPLICATION FOR KIDS	Ę.	30	
5705	ZENITH	R		26 26			5763	MICRO SUBTRACTION FOR KIDS	E	30	
<b>.</b>	5		40	20			5756	HICROSCOPIC JOURNEY	R	35	
					12		5757	MICROTYPING II	É	30	
	** BENTRY SOFTWARE						5760	MUSICAL MATH	E	35	
- 7	At ten binearee	2 <u>0</u>					5737 5735	ORCA/M OBJ/ASSEM (64K) PIE:COMMUNICATIONS	D	100	
5706 5707	ALIEN MUNCHIES HANDY DANDY	R	20	16 16			5729	PIE: WRITER (RED BO COL CARD)	B B	100	
	TARRET DINAST	n	20	10			5728	PIE: WRITER-DBL VISION	В	150	
							5730	PIE: WRITER-NEW VERSION	B	150	
	** GMS SYSTEMS				82		575B	PROGRAMMERS WORKSHOP-APPLESOFT	E	50	
700	50050 DIES U/DIELES	-					5731	REVERSAL	R	55	
5708	POWER BASE W/DATAZOOM	B	475	356			5732 5738	SARGON II SHAPES IN COLOR	R	35	
							5733	SHUTTLE INTERCEPT	G	50 35	
	** GOURMET SOFTWARE						5749	STAR TRADERS	R	25	
		-					5736	STATMANAGER (CP/M)	Ð	250	
709	PIZZA PROGRAM, THE	0	35	23			5753 5754	TETRAD WARGLE	R	25 35	
	** UPE COMPUTED DATE						u, u,	WHADLE	n	22	
	** H&E COMPUTRONICS	-						** HAYES MICROCOMPUTER PRODUCTS		20	
716	BUSINESS PAC 100	B	100	79			2010010101				
5718	MARKET PAC	B		**************************************	Ÿ		5774	TERMINAL (REQ MMII B" CP/M)	0		
717 715	MASTER FAC 100 VERSABUSINESS SERIES COMPLETE		100				5773	TERMINAL (REQ MMII)	0	99	
714	VERSAINVENTORY		550 100	411 79							
710	VERSALEDGER II		150	115				** HFK SOFTWARE			
713	VERSAPAYABLES		100					** SPECIFY PRINTER !!			
711	VERSAPAYROLL VERSARECEIVABLES		100 100			92	5775	DWERTY (64K & CP/M)	B	325	
112		Đ	100	17					, ,	450	8
712								** HIGH TECHNOLOGY			
1/12	** H&H SCIENTIFIC		8								
		-: B	% 250	224	22		5776	BUDGETEER	В		
		- B	250	224	92		5777	CHEM LAB SIMULATIONS	E		
	STOCK OPTION ANALYSIS	- B	:. 250	224	能		5777 5778	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM	B E B		
		- B	: 250	224	92		5777 5778 5779	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS	B E B U		
719	STOCK OPTION ANALYSIS  ** HAL LABS	•					5777 5778	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS DATA MASTER	BEBUBB		
719 721	STOCK OPTION ANALYSIS	- R	25	19			5777 5778 5779 5780	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS	B E B U B B		
719 721	STOCK OPTION ANALYSIS  ** HAL LABS SHEILA	- R		19			5777 5778 5779 5780 5781 5782 5783	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS DATA MASTER DISK-O-CHECK DDCTORS OFFICE COMPANION DDCTORS OFFICE COMPANION-HARD D	B E B U B B B		
719 721 720	STOCK OPTION ANALYSIS  ** HAL LABS  SHEILA TAXMAN	- R	25	19			5777 5778 5779 5780 5781 5782 5783 5784	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS DATA MASTER DISK-O-CHECK DOCTORS OFFICE COMPANION DOCTORS OFFICE COMPANION-HARD D ELECTRONIC SECRETARY	B E B U B B B B		
719 721 720	STOCK OPTION ANALYSIS  ** HAL LABS SHEILA	- R	25	19		•	5777 5778 5779 5780 5781 5782 5783 5784 5785	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS DATA MASTER DISK-O-CHECK DDCTORS OFFICE COMPANION DOCTORS OFFICE COMPANION-HARD D ELECTRONIC SECRETARY ESTIMATOR	8 5 8 0 8 8 8 8 8		
719 721 720	** HAL LABS  SHEILA TAXMAN  ** HARCOURT BRACE JOVANOVICH	- R R	25 25	19 19			5777 5778 5779 5780 5781 5782 5783 5784 5785 5786	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS DATA MASTER DISK-O-CHECK DDCTORS OFFICE COMPANION DOCTORS OFFICE COMPANION-HARD D ELECTRONIC SECRETARY ESTIMATOR INFORMATION MASTER	8 5 8 0 8 8 8 8 8 8		
719 721 720	STOCK OPTION ANALYSIS  ** HAL LABS  SHEILA TAXMAN  ** HARCOURT BRACE JOVANOVICH  COMPUTER ACT (AVAIL AUG 83)	- R R	25 25 80	19 19			5777 5778 5779 5780 5781 5782 5783 5784 5785	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS DATA MASTER DISK-O-CHECK DUCTORS OFFICE COMPANION DUCTORS OFFICE COMPANION-HARD D ELECTRONIC SECRETARY ESTIMATOR INFORMATION MASTER INFORMATION MASTER & TRANSIT	8 2 8 3 8 8 8 8 8 8 8		
719 721 720	** HAL LABS  SHEILA TAXMAN  ** HARCOURT BRACE JOVANOVICH	- R R	25 25	19 19 63 71			5777 5778 5779 5780 5781 5782 5783 5784 5785 5786	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS DATA MASTER DISK-O-CHECK DDCTORS OFFICE COMPANION DOCTORS OFFICE COMPANION-HARD D ELECTRONIC SECRETARY ESTIMATOR INFORMATION MASTER	8 5 8 8 8 8 8 8 8 8 8 8		
719 721 720 724 723	** HAL LABS  SHEILA TAXMAN  ** HARCOURT BRACE JOVANOVICH  COMPUTER ACT (AVAIL AUS 83) COMPUTER SRE	- R R	25 25 80 90	19 19 63 71			5777 5778 5779 5780 5781 5782 5783 5784 5785 5786 5787 5788 5789 5789	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS DATA MASTER DISK-O-CHECK DUCTORS OFFICE COMPANION DUCTORS OFFICE COMPANION-HARD D ELECTRONIC SECRETARY ESTIMATOR INFORMATION MASTER INFORMATION MASTER & TRANSIT JOB CONTROL SYSTEM-100 JOBS JOB CONTROL SYSTEM-400 JOBS JOB CONTROL SYSTEM-400 JOBS	8 8 8 8 8 8 8 8 8 8 8		
719 721 720 724 723	** HAL LABS  SHEILA TAXMAN  ** HARCOURT BRACE JOVANOVICH  COMPUTER ACT (AVAIL AUS 83) COMPUTER SRE COMPUTER SAT	- R R	25 25 80 90	19 19 63 71			5777 5778 5779 5780 5781 5782 5783 5784 5785 5786 5787 5789 5789 5790 5791	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS DATA MASTER DISK-O-CHECK DUCTORS OFFICE COMPANION DUCTORS OFFICE COMPANION-HARD D ELECTRONIC SECRETARY ESTIMATOR INFORMATION MASTER INFORMATION MASTER INFORMATION MASTER & TRANSIT JOB CONTROL SYSTEM-100 JOBS JOB CONTROL SYSTEM-400 JOBS JOB CONTROL SYSTEM-400 JOBS LAB STATISTICS	8 1 8 1 8 8 8 8 8 8 8 8 8 8		
719 721 720 724 723	** HAL LABS  SHEILA TAXMAN  ** HARCOURT BRACE JOVANOVICH  COMPUTER ACT (AVAIL AUS 83) COMPUTER SRE	- R R	25 25 80 90	19 19 63 71			5777 5778 5779 5780 5781 5782 5783 5784 5785 5786 5786 5787 5788 5789 5790 5791 5792	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS DATA MASTER DISK-O-CHECK DDCTORS OFFICE COMPANION DDCTORS OFFICE COMPANION-HARD D ELECTRONIC SECRETARY ESTIMATOR INFORMATION MASTER INFORMATION MASTER INFORMATION MASTER INFORMATION SYSTEM-100 JOBS JOB CONTROL SYSTEM-400 JOBS JOB CONTROL SYSTEM-600 JOBS LAB STATISTICS OIL & GAS COMPANION	8 2 8 2 8 8 8 8 8 8 8 8 8 8 8 8		
719 721 720 724 723 722	** HAL LABS  SHEILA TAXMAN  ** HARCGURT BRACE JOVANOVICH  COMPUTER ACT (AVAIL AUG 83) COMPUTER SRE COMPUTER SAT  ** HARVARD ASSOCIATES	- R R - E E	25 25 80 90 80	19 19 63 71 63			5777 5778 5779 5780 5781 5782 5783 5784 5785 5786 5787 5789 5789 5790 5791 5792 5793	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS DATA MASTER DISK-O-CHECK DDCTORS OFFICE COMPANION DOCTORS OFFICE COMPANION-HARD D ELECTRONIC SECRETARY ESTIMATOR INFORMATION MASTER INFORMATION MASTER & TRANSIT JOB CONTROL SYSTEM-100 JOBS JOB CONTROL SYSTEM-400 JOBS JOB CONTROL SYSTEM-400 JOBS LAB STATISTICS OIL & GAS COMPANION ORDER SCHEDULER	8 1 8 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		
719 721 720 724 723 722	** HAL LABS  SHEILA TAXMAN  ** HARCOURT BRACE JOVANOVICH  COMPUTER ACT (AVAIL AUS 83) COMPUTER SRE COMPUTER SAT	- R R - E E	25 25 80 90	19 19 63 71 63			5777 5778 5779 5780 5781 5782 5783 5784 5785 5786 5786 5789 5789 5790 5791 5792 5793	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS DATA MASTER DISK-O-CHECK DDCTORS OFFICE COMPANION DDCTORS OFFICE COMPANION-HARD D ELECTRONIC SECRETARY ESTIMATOR INFORMATION MASTER INFORMATION MASTER INFORMATION MASTER INFORMATION SYSTEM-100 JOBS JOB CONTROL SYSTEM-400 JOBS JOB CONTROL SYSTEM-600 JOBS LAB STATISTICS OIL & GAS COMPANION	8   8   8   8   8   8   8   8   8   8		
719 721 720 724 723 722	** HAL LABS  SHEILA TAXMAN  ** HARCGURT BRACE JOVANOVICH  COMPUTER ACT (AVAIL AUG 83) COMPUTER SRE COMPUTER SAT  ** HARVARD ASSOCIATES	- R R - E E	25 25 80 90 80	19 19 63 71 63			5777 5778 5779 5780 5781 5782 5783 5784 5786 5786 5789 5789 5790 5791 5792 5793 5794	CHEM LAB SIMULATIONS CLIENT BILLING SYSTEM COMMON BASIC PROGRAMS DATA MASTER DISK-O-CHECK DDCTORS OFFICE COMPANION DOCTORS OFFICE COMPANION-HARD D ELECTRONIC SECRETARY ESTIMATOR INFORMATION MASTER INFORMATION MASTER INFORMATION MASTER INFORMATION MASTER INFORMATION SYSTEM-100 JOBS JOB CONTROL SYSTEM-400 JOBS JOB CONTROL SYSTEM-400 JOBS LAB STATISTICS OIL & GAS COMPANION ORDER SCHEDULER PRACTICAL BASIC PROGRAMS	8 1 8 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		

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		** HIGHLANDS COMPUTER SERVICES			19	**	*∌ INFOCOM			
	5807	COSMIC COMBAT	R	30	24	5859	DEADLINE		50	37
	5799	CRAE 2.0-APPLESOFT EDITOR	ח	40		5860	STARCROSS	R	40	29
65	5803	CREATURE VENTURE	R	25	30	5864	SUSPENDED	R	50	37
	5808	EZ INVOICE	Ð	60	52	5865	WITNESS	R	50	40
	5804	EZ LEDGER	B	60	48	5861 5862	ZORK I-UNDERGROUND EMPIRE ZORK II-WIZARD OF FROBOZZ	R	40	29
	5800	MCAT 2:0-MASTER CATALOG/SORT	Ú	28 25	22 20	5863	PORK Ili-DUNGEON MASTER	R		29
	5805	MUMMYS CURSE	R	30	24					_
	5801	OLDORFS REVENSE	R		16		Si Contraction de la Contracti			
	5802	TARTURIAN -	Ř	25	20	8	** INFORMATION UNLIMITED-IUS			
						5866	DATADEX	В	150	106
		** HOWARD SOFTWARE SERVICES				5867	DATADEX-HARD DISK VERSION	В	300	213
						5870	EASY MAILER	, B	70	51
	581,4	CREATIVE FINANCING				5671	EASY MAILER PRO (80 CDL)	В	150	106
	5816	REAL ESTATE ANALYZER *DEMO				5872 5868	EASY MOVER-40/80 COL EASY WRITER	B	100	72
	5815 5809	REAL ESTATE ANALYZER 2 TAX PREPARER 1983		225	150	5873	EASY WRITER & MAILER	9	100	72 104
	5811	TAX PREPARER CA '83 SUPLMT			P. 17. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	5874	EASY WRITER & MAILER (BO COL)	В	300	212
ैंं	5B10	TAX PREPARER FEDERAL	B	150	115	5869	EASY WRITER PRO (80 COL)	B	175	123
	5B13	TAX PREPARER IL	B	75	59	5875	FORTH DEVELOPMENT SYSTEM	Ū	140	
	5812	TAX PREPARER NY/NJ	В	75	59	5876 5877	TELLSTAR LEVEL 1-ASTRONOMY TELLSTAR LEVEL 2-ASTRONOMY	E	40 80	32 63
						3677	TEEDING CETTE 2 HUINGHOM	L		0.
		** HOWARD W SAMS				*6				
	5818	ACTIVE ENTER REGION		**	75		** INNOVATIVE DESIGN SOFTWARE			
	5830	ACTIVE FILTER DESIGN APPLE-AIDS	11	40 50		5978	JUGGLER	R	30	22
	5831	BUSICOMP			915	5879	600L 1.5	R	35	26
	5832	BUSICOMF-HARD DISK VERSION		1500	915	5880	SHUFFLE BOARD	R	30	22
	5835	BUSINESS PLUS	B		299	5801	TRICK SHOT	R	40	25
	5038 5820	ELECTRONICS I	R	40 40	32 32					
	5821	ELECTRONICS II	G	40	32		+ + INSOFT .			
	5822	ELECTRONICS III		40						
	5840	FINANCIAL FACTS		60	1.00	5887	1889 1881 1881 1882 1883 1884 1884 1885 1895 18	U	75	59
	5844 5845	FINANCIAL PLANNING W/MULTIPLAN FINANCIAL PLANNING W/VISICALC	1.0	277.00	63 63	5885 5888	ELECTRIC DUET .  BrafORTH 2	R U	30 75	24 54
	5836	HELLO CENTRAL!		99	78	5884	BRAPPLE	R	30	22
	5843	INSTANT RECALL ,	B			5882			30	22
	5841	MONEY TOOL		60	4 B	5886	TransFORTH II	U	125	97
	5825 5826	MOSTLY BASIC-EDUCATIONAL MOSTLY BASIC-HOUSEHOLD		30 30	24	5883	ZARGS	R	35	26
	5827	MOSTLY BASIC-INTRFACING/SCIENCE			24 24					
	5837	MUSIC BAMES		40			** INTELCOM DATA SYSTEMS			
	5839	P.D.Q.	R	60	55087			2		100000400
	5842 5817	PEN PAL PLOTTING GRAPHS FOR PRINTER	8	60 40		5889	TRADER DECISION SYSTEM I	В	195	185
	5023	PLOTTING GRAPHS FOR VIDEO	0		100000000000000000000000000000000000000				8	
	5833	PROGRAMMER, THE	U	200	154	45	** INTELLIGENT STATEMENTS/		11	
	5834	PROGRAMMER, THE (CP/M)			154		** SCREENPLAY			8
	5819 5828	STATISTICS & REGRESSION ANAL	0	40	32	5890	PROFESSIONAL BLACKJACK		70	53
	5829	TIME DUNGEON-U.S., THE TIME DUNGEON-WORLD, THE	E	30	24	5891		R	40	3:
	5B24	VOYAGE OF THE VALKYRIE	R			5892	WARRIOR OF RAS-KAIV	R	40	32
		** HUMAN SYSTEMS DYNAMICS-HSD					** INTERNATIONAL SOFTWARE MKTS			
	5040 -	AMONA TT	124			5895	GRAPH & MATH MAGIC	В	150	+61
	5849 5854	APPLE FACTOR (IN DEVELOPMENT)	B	150	115	5893	GRAPH MAGIC	£	150 90	108
	5853	CALCU-PLOT (IN DEVELOPMENT)	B	150		5894	MATH MAGIC		90	63
	5051	GRAF-PAK	B	100		5912	MATH MAGIC (B" CF/M)	В	100	72
	5846	HSD ANOVA	В	75	59	5896	PRISM .	R	20	15
	5848 5847	HSD STATS	B	100	78	25				16
	5852	REGRESS II	B	100	78 115		** JRT SYSTEMS			
	5850	STATS PLUS,	B	200	154			8	_	
		· · · · · · · · · · · · · · · · · · ·				5897	JRT PASCAL 3.0 (REQ CP/M)	U	30	
		** IDEAL SYSTEMS		#-1 770			3			8
					•	23	50			*
	5857 5854	INTROSTAT 2.2-COPY PROTECTED	В	7.7	78		*			
	5856 5856	E & E E CALLANT ALLERS	B	125 145	112		SEE PAGE 3, MISSING	2 7	מדמכ	J777
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NMBR	P ITEM	† -	LIST	SELL	
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	** KATES KOMPUTERS . **  ** REQ CP/M-80 56K MMII/SM300	0			
5902	ADVI≰DR CASH MANAGEMENT SYS	0	200		
5900	ADVISOR INDUSTRY GROUP MODULE	0	200		
5901 5898	ADVISOR MAIL LIST OFTION ADVISOR PORTFOLIO MANAGEMENT 4	0	200 795		
5899	ADVISOR REPORT GENERATION SYS	0			
5909	ANALYST BRIDGE DATA NEWS MODULE	0	75		
5905	ANALY\$T CALCULATOR MODULE	0	500		
5904	ANALYST INDUSTRY GROUP X REF	0	200		
5907 5906	ANALY\$T INTRA DAY MOUDLE ANALY\$T OFF SCREEN TRENDLINES	0	50 300		
5903	ANALYST STOCK GRAPHICS SYSTEM 4	0	795		
5908	ANALY\$T TIME CLOCK MOUDLE	0	150		
	** KENSINGTON MICROWARE				
5910	FORMAT 11 ENHANCED (80 COL)	B	150	115	
	** KRAFT SYSTEMS				
50000000000000000000000000000000000000					
5911	QUICK-VII .	B	23	18	
	** KRELL SOFTWARE				
8255	BOTTICELLI	R	35	33	
8242	CLASSROOM MANABEMENT & ANALYSIS		200	179	
8241	COLLEGE BOARD WORK SHEET GEN	E	45	42	
8240 8246	COLLEGE BOARDS SAT PREP COMPLETE PACKAGE ALL OPTIONS	E	300 1999	262 1666	
8244	COMPREHENSIVE INSTRUCTION PAC	E	1695	1413	
8253	DESCARTES DELIGHT	R	80	74	
8251	ISAAC NEWTON & FG NEWTON	R	50	47	
B256 B257	LOGO SPRITE BOARD LOGO WITH SPRITES	IJ	325 400	284 350	
8258	MINDSTORMS	R	15	14	
8247 8248	MIT LOGO ODYSSEY IN TIME	П	90	82	
8252	PYTHAGORAS & THE DRAGON	R	40	37 37	
8245	SEPARATE INSTRUCTIONAL PAC	£	899	767	
8254	SHELBY LYMAN CHESS TEACHER	R	40	37	
8250 8249	SWORD OF ZEDEK TIME TRAVELLER	R	25	24	
8243	VOCABULARY BUILDING & DICTIONRY		25 150	24 135	
	** L&S COMPUTERWARE				
5933	ACEY DEUCY	R	30	21	
5932	CRDSSWORD MAGIC 2	R	50	37	
	** LAZER SYSTEMS			55	
5935	ANIX OPERATING SYSTEM	U	50	37	
5934	DOSOURCE 3.3	U	40	32	
5936	PASCAL FATCH	U	40	32	
	** LEARNING COMPANY, THE				
5938	BUMBLE GAMES	c	4.0	20	
5939	BUMBLE PLOT	E	40	32 32	
5941		E	45	100000	
5940 5937		3	45		
5945		E	30 35	24 28	
5944	HOPTOWN HOTEL	E	40		
5943 5942		E	40 50	32 40	
and	AL LEGENE THRUSHES				
	** LEGEND INDUSTRIES				
	MEMORY MASTER > QUE TANA STAN	U	70 35	56 28	
S&S	SUPER EMULATOR	U	60	48	
1	** LIGHTNING SOFTWARE			**	
5949	MASTERTYPE	E	40	32	
	590			×.	

91	ā.			
	** LINK SYSTEMS			
	** REDUIRE 64K			
5950	DATAFAX		100	
5956	DATAFAX (BO COL)	B	199	140 176
5951	DATALINK II (MMII/SM300/1200)	O	100	79
5955	LINK DISK	B	70	55
5952 5954	LINK INDEX LINK SAMPLER 1	В	195	150
5953	LINK VIDED	B	60 55	48
			33	7.4
	174 50750551000			
28	** LJK ENTERPRISES	•		
5958	DATA PERFECT-40/BO COLUMN	В	130	115
5959	EDIT 6502	U	100	74
5957	LETTER PERFECT (MMJI OPTIONAL)	B	150	106
	** LOGIC INDUSTRIES			
5516	0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.00 - 0.	经		
5960	PAYLESS TAX 2	B	150	106
	** LOTUS DEVELOPMENT			
	** LOTUS FONTS REQUIRE E.B.S. '			
5962	ALPHABYTE FONT	Þ	25	
5963	ALPHABYTES DECORATIVE FONT	B	25 25	19
5961	EXECUTIVE BRIEFING SYSTEM-EBS	B	199	141
5964	LOTUS ALPHABETS-COLOR FONTS	B	25	19
	** LOVELLS			
5965	CHAT (MMII)	0	40	37
5965	CHAT (MMII)	0	40	37
5965	±>	0	40	37
5965		0	40	37
	** M&R ENTERPRISES	0		
5965 5968 5967	±>	0	95 295	76
596B	** M&R ENTERPRISES  SUP'R FILER	0	95	
596B 5967	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC	0	95 295	76 224
596B 5967	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC	0	95 295	76 224
596B 5967	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC		95 295	76 224
596B 5967 5966	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC  ** MAD WEST SOFTWARE  AMPERDUMP		95 295 295	76 224 224
596B 5967 5966	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC  ** MAD WEST SOFTWARE	0	95 295 295	76 224 224
596B 5967 5966	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC  ** MAD WEST SOFTWARE  AMPERDUMP		95 295 295	76 224 224
596B 5967 5966	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC  ** MAD WEST SOFTWARE  AMPERDUMP		95 295 295	76 224 224
5968 5967 5966 5969	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC  ** MAD WEST SOFTWARE  AMPERBUMP AMPERGRAPH  ** MCGRAW HILL		95 295 295 30 30	76 224 224
5968 5967 5966 5969	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC  ** MAD WEST SOFTWARE  AMPERDUMP AMPERGRAPH  ** MCGRAW HILL ACCHEDLOGY SEARCH		95 295 295 30 30	76 224 224
5968 5967 5966 5969	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC  ** MAD WEST SOFTWARE  AMPERBUMP AMPERGRAPH  ** MCGRAW HILL		95 295 295 30 30	76 224 224
5968 5967 5966 5970 5969 5975 5974 5973	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC  ** MAD WEST SOFTWARE  AMPERDUMP AMPERGRAPH  ** MCGRAW HILL ARCHEDLOGY SEARCH COMMUNITY SEARCH ENERGY SEARCH GEOGRAPHY SEARCH		95 295 295 30 30	76 224 224
5968 5967 5966 5970 5969 5975 5974 5973	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC  ** MAD WEST SOFTWARE  AMPERDUMP AMPERGRAPH  ** MCGRAW HILL  ARCHEDLOGY SEARCH COMMUNITY SEARCH ENERGY SEARCH		95 295 295 30 30 180 180	76 224 224
5968 5967 5966 5970 5969 5975 5974 5973	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC  ** MAD WEST SOFTWARE  AMPERDUMP AMPERGRAPH  ** MCGRAW HILL ARCHEDLOGY SEARCH COMMUNITY SEARCH ENERGY SEARCH GEOGRAPHY SEARCH	-	95 295 295 30 30 180 180 180	76 224 224
5968 5967 5966 5970 5969 5975 5974 5973	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC  ** MAD WEST SOFTWARE  AMPERDUMP AMPERGRAPH  ** MCGRAW HILL ARCHEDLOGY SEARCH COMMUNITY SEARCH ENERGY SEARCH GEOGRAPHY SEARCH		95 295 295 30 30 180 180 180	76 224 224
5968 5967 5966 5979 5979 5973 5973 5972	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC  ** MAD WEST SOFTWARE  AMPERDUMP AMPERGRAPH  ** MCGRAW HILL  ARCHEDLOGY SEARCH COMMUNITY SEARCH ENERGY SEARCH GEOGRAPHY SEARCH GEOGRAPHY SEARCH ## MEGAHAUS	-	95 295 295 30 30 180 180 180	76 224 224
5968 5967 5966 5970 5969 5975 5974 5973	** M&R ENTERPRISES  SUP'R FILER SUP'R LEDGER (RED BOCOL CARD) SUPER CALC  ** MAD WEST SOFTWARE  AMPERDUMP AMPERGRAPH  ** MCGRAW HILL  ARCHEDLOGY SEARCH COMMUNITY SEARCH ENERGY SEARCH GEOGRAPHY SEARCH GEOGRAPHY SEARCH GEOLOGY SEARCH	-	95 295 295 30 30 180 180 180	76 224 224

Vizilinical Nizard In Vizilinical

A KEMORY MYTH	20	19	6020 ASSET MANAGER
ADVERTISING TECHNIQUES	25		6040 CROWN OF ARTHAIN
CIRCULATION SYSTEM	30		6022 DATA FACTORY 5.0
CIRCULATION-ORGANS	30	0.0	6026 DATA FACTORY-MINI
COMMAS	30		6043 DEATH IN THE CARIBBEAN
DIPT	. 35	33	6044 DIND EGGS
FACTORING	35		6021 DOGFIGHT 2
	30		6023 ENGLISH SAT 1
GRADE BODK-TEACHER	40		6045 HIGH RISE
ICAN	30		6024 INVOICE FACTORY
LIBRARY SKILLS	25		6037 JIGSAW 6025 LEARNING SYSTEM. THE
MAP READING	20 30		6025 LEARNING SYSTEM, THE 6041 MADVENTURE
NORMAL DEVIATIONS-STATISTICS OFF CENTER	30		6031 MERGER, THE (RED DF & IF)
OFF LINE-STATISTICS	30		603B MINER 2049ER
ON THE AVERAGE	30		6036 MINGS CHALLENGE
PROOFS & PROPERTIES-GEDMETRY	30		6027 PAINTER POWER
PYTHAGOREAN PROOFS	30		6039 PALACE IN THUNDERLAND
REPRODUCTION ORGANS	30	28	6042 PAYROLL MANAGER
REPRODUCTION PROCESS	30	28	6028 PEEPING TOM
RIEMANN INTEGRAL	30		6029 ROACH HOTEL
이 경기를 하면 어느 아니라 아니라 아니는 아이를 보고 있었다. 아이를 하는 것이 아니라	25		6030 TAX MANAGER
SCIENTIFIC METHOD	20		6032 US CONSTITUTION TUTOR 6033 VISIBLEND-MERGE VC FILES
SENTENCES	25		6033 VISIBLEND-MERGE VC FILES 6034 VISIFACTORY-MERGE VC/DF FILES
SIMPLE MACHINES SPELLING RULES	. 30		6035 WALL STREETER
THE ADAPTABLE SKELETON-TEACHER	30	10000	THE STREETER
THE ELECTRONIC TOOL	35 35		
THE STATISTICS PAC-6 DISKS			** MICRO SPARC
NHATS THE SCORE	30		*** ALL REQUIRE 64K
WORD PREP ADVANCED	30		
WORD PREP BASIC	25		6048 AMP-AMPER MEMORY
31			6046 AMPERSOFT
			6047 DIRECTORY MASTER
** MICROCOM			6052 GLOBAL LINE EDITOR-GALE
MICED COURTED CHARTS		200000	6050 LEXICOM-TRANSFER WP FILES
MICRD/COURIER (MMII)	150		6053 PROOF 6051 TELETEXT (MMII)
MICRO/TELEGRAM (MMII) MICRO/TERMINAL(MMII/SM/APL CAT)	150		6051 TELETEXT (MMII) 6049 VIP II-VISICALC PATCH
HICKUTTERHINAL (ANIITSHTAPL CAIT	85	61	OUT VIF II-VISICHEE PHICH
** MICRO DISCOVERY/FOKOS	50		** MICROCOMPUTER WORKSHOPS
ALIEN AMBUSH	25	19	6060 ADDING FRACTIONS
DUTWORLD	25		6056 ADDITION WITH CARRY
	77. W	• ,	6065 CONSONANT-VOWEL-CONSONANT
			6058 DIGIT MULTIPLICATION, 1 2 3
** MICRO INFORMATION SYSTEMS			. 6054 ENGLISH ACHIEVEMENT I-V EACH
** REQUIRE CP/M CBASIC 2.38			6055 ENGLISH ACHIEVEMENT I-V SET
			6062 EQUATIONS
ESQ-1-LESAL TIME & BILLING		1190	6068 FRENCH ACHIEVEMENT I
MASIC QUILL-BKPG & ACCTS		1170	6075 FRENCH ACHIEVEMENT 11-AVAL SE
PROMOT-PRO TIME & BILLING		1190	6067 I LOVE AMERICA SERIES
SCHEDULER-SCHEDULING & CONTROL		611	6059 LONG DIVISION 6071 MEDDLE PRUF
TAXEXEC-INDIV TAX RETURN	775	611	6066 MIND STRETCHER SERIES
			6061 MULTIPLYING FRACTIONS
			6064 ORDER OF OPERATIONS
			6063 SOLVING QUADRATIC EQUATIONS
			6074 SORTING TECHNIQUES 1
¥0			6074 SORTING TECHNIQUES I 6069 SPANISH ACHIEVEMENT I SPECIAL

Why do you need Function keys?

SUBTRACTING MIXED FRACTIONS

6072 WRITING CHEMICAL FORMULAS

T LIST SELL

Shouldn't they all Jock???

NMBR I	ITEM	LIST	SELL		NMBR P	I TEM	LIST	SELL
	** MICROPRO INTERNATIONAL					** MICROWARE		
	*** ALL REQUIRE CP/M							
6109		145			6152	GENERAL ACCOUNTING SYSTEM	2005	1707
6082	CALCSTAR 1.45 (64K)				6151	MANUFACTURING MANAGEMENT SYSTEM	2995	1783
6093 6110	DATA/CALC/SUPERSORT PAC DATASTAR (8° CP/M)	495 295						
6083	DATASTAR 1.4		205			** MICRO-WARE DISTRIBUTORS		
6111	INFOSTAR (B" CP/M)	1	340	(2) VX	1		1270411	
6103	INFOSTAR 1.0		272		6162	FONT LOADER	40	24
6112	INFOSTAR 1.0 W/APPLICARD MAILMERGE (8" CP/M)	250	37 I		6159 6157	MR LISTER *DEMO + MANUAL	28 14	21 14
6100	MAILMERGE 3.3		138		6156	MR LISTER-MAIL LIST	139	71
6096	MICROPRO *DEMOS	7 1 7	33	30 M	6158	ROBOT TANK 3D	35	24
6113	REPORTSTAR (8" CP/M)	350	247	Ü ari	6160	STOCK MOMENTUM	525	3.44
6080	REPORTSTAR 1.0	350			6161	STOCK HOMENTUM .DENO	39	39
6114	SPELLSTAR (8" CP/M)		176		6153	SUPER PIX-EPSON	25	17
6101	SPELLSTAR 3.3 STAR INDEX (8" CP/M)	195 195			6155 6154	SUPER PIX-NECBO23/PROWRITER SUPER PIX-OKIDATA	25 25	17 17
6102	STARINDEX 1.0	195			2.54	DOTER TIN BRIDAIN		
6115	SUPERSORT (8" CP/M)	250		3.9				
607B	SUPERSORT 1.6	250	173	<b>.</b>		** MICRO-COM X		
6116	WORD & MAILMERGE (B" CP/M)	645						
6117	WORD & SPELLSTAR (B" CP/M)		478		6163	MICRO-COM BBS (MM II)	125	
6105 6104	WDRD/MAIL/SPELL/INDEX 3.3	545 695						
6106	WORD/SPELL 3.3	595	2000			** MIND SYSTEMS		
6118	WORDSTAR (B" CP/N)	495						
6099	WORDSTAR 3.3	395		2	6164	AIRSIM-1 FLIGHT SIMULATOR	90	
6097	WORDSTAR 3.3 W/APPLICARD	495			6165	SPITFIRE SIMULATOR	40	32
608B	WORDSTAR CUSTOM NOTES	50	330					
6119	WORDSTAR CUSTOM NOTES (8" CP/M) WORDSTAR PRO (8" CP/M)					** MUSE SOFTWARE		
610B	WORDSTAR UPDATE	695 85					2	
6094	NDRDSTAR-APPLE DOS	495			6171	ABM .	25	20
6092	WORDSTAR-EXTERNAL TERMINAL	495			6174	ADDRESS BOOK, THE	50	
6089	WORDSTAR-FRENCH	495			6180	APPILOT EDU DISK	100	
6091	WORDSTAR-GERMAN		34		6170 6172	BEST OF MUSE, THE CASTLE WOLFENSTEIN	40 30	
6090	WORDSTAR-SPANISH	495			6182	CAVERNS OF FREITAG	30	
3506	STAR BURST		13	9	6168	CUBE SOLUTION, THE	25	
	** MICROSEEDS				6176	DATA PLOT	60	4:
					6179	ELEMENTARY MATH EDU-DISK	40	
6221	DARK	35	100		6173	FIREFLY	25	
6120	MON+ (64K)	40			6175 6167	FORM LETTER (REQ SUPER/TEXT) FRAZZLE	100 25	
6222	MON+ ON ROM CHIP	50	4	,	6184	INTERNATIONAL GRAND PRIX.	30	
					6181	KNOW YOUR APPLE .	35	
	** MICROSOFT PRODUCTS			18	6166	ROSOTWARS	40	
					6183	SUPER/TEXT HOME OFFICE	99	
6124	ADVENTURE		2		6169	THREE MILE ISLAND	40	
6128 6134	ALDS (CP/M). APPLESOFT COMPILER-TASC	125			6177 6178	U DRAW IT VOICE, THE	40 40	
6140	BASIC COMPILER (B" CP/M)	395			5170	ADJOCA INC	70	u,
6129	BASIC COMPILER (CP/M)	395						
6141	BASIC INTERPRETER (8" CP/M)	350				** MYCROFT LABS	35	
6142	COBOL-80 (B" CP/M)	750		1 .		*** ALL REQUIRE CP/M		
6132	COBOL-80 (CP/M & 2 DISK DRIVES)				****		•	
6143 6144	EDIT-80 (8" CP/M) FORTRAN-80 (8" CP/M)	120	34		7876	BYE GRAPHPAK (PLOTTER) .	100	15
6127	FORTRAN-BO COMPILER (CP/M)				7878 7879	MADS W/IDLIB		23
6145	MACRO ASSEMBLER (B" CP/M)		14		7877	HITE & BYE	200	
6148	muLISP/muSTAR (B" CP/M)		14		6185	MITE (MMII & CP/M)		11
6131	muLISP/muSTAR-BO (CP/H)	200	14	2	7880			7
6146	MULTIPLAN (8" CP/M)		19		5%			
6136	MULTIPLAN (CP/H & 64K)					V= U		
6135	MULTIPLAN (DOS 3.3 & 64K) MULTITOOL BUDGET ANALYSIS					## NEW VISION		
613B	MULTITODL FINANCIAL STATEMENT				6186	EARTH DEFENDER	30	) 2
	MULTITOOL-REQ MULTIPLAN DOS 3.3			•	0100	CHICAL DELENDER		
6149	muMATH/muSIMP (B" CP/M)		17	7				
6130	muMATH/muSIMP (CP/M)		17			** NEXA		
6137	muMATH/muSIMP (DDS 3.3)					Augenda Tagu	•	s 1558
6125	OLYMPIC DECATHLON	30			6187		40	
6133 6147	SORT FACILITY (CP/M) SORT FACTILITY (8" CP/M)	195			6188	DELTA SQUADRON	40	J 3
6126	TIME MANAGER	150			177			
6123	TYPING TUTOR II	25	50			** NIKROM TECHNICAL PRODUCTS	84	
			,.*					93
4				′	6190	5분 (1) 보고 있는 경험 (1) 전에 보고 있는 것이 되었다. 전 1 전에 보고 있는 것이 되었다. 그런 보고 있는 것이 없는 것이었다면 없는 것이었다면 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이었다면 없었다면 없었다면 없었다면 없었다면 없었다면 없었다면 없었다면 없	55	
	** MICROTEX INDUSTRIES				6191	MASTER DIAGNOSTICS PLUS	7:	
6150	PIG DOS ENHANCEMENT PKG	20	, ,	*	6192	NOTEBOOK	5	J 9
0170	AND DOD ENTRHCEMENT FRO	20	) 1	J				

NMBR P	1TEM	LIST	SELL				130	NMBR P	1 TEM	LIST	SELL
				53				22			34 440
	** NORELL DATA SYSTEMS								** PEACHTREE SOFTWARE *** ALL REQUIRES CP/M & 64K		
6193	VISUALIZE DOCUMENTATION AID	100	78					6251 6229	BLACKS LAW DICTIONARY (RED SP) S40 ACCOUNTS PAYABLE	250 265	176 187
								6228	S40 ACCOUNTS RECEIVABLE	265	187
	** NOVA SOFTWARE	2	*					6227 6230	540 GENERAL LEDGER 540 INVENTORY CONTROL	265 265	187 187
6197	BIG RACE, THE	20	18					6231	S40 PAYROLL		187
6195	FINGER PAINTING (REQ JOYSTICK)	35						6232	S40 PEACHPAC-GL/AR/AP	395	
6196	TALKING ALPHABET, THE	25	23					6235 6234	SBO ACCOUNTS PAYABLE SBO ACCOUNTS RECEIVABLE	265 265	
				69				6233	SBO GENERAL LEDGER	265	187
90	** NOVATION					60		6236	SBO INVENTORY CONTROL (VIDEOTRM)		187
	** SEE HARDWARE/MDDEM	4	18					6237 6243	SBO PEACHPAC-GL/AR/AP(VIDEOTRM) S9 CALENDER MANAGER	395 375	253 240
	1.					19.		6241	S9 MAILING LIST MANASER		160
				200			100	6238	S9 PEACHCALC	150	
	** ODESTA							6253 6245	S9 FEACHTEXT S9 FEACHTEXT (SMARTERM)	250 250	176 160
6199	CHECKERS	50	35					6246	S9 FEACHTEXT (SUP'R'TERM)	250	160
6198	CHESS	70						6244	S9 PEACHTEXT (VIDEOTERM)	250	
6200	ODIN	50	35					6250 6248	S9 PEACHTEXT/SP/ML (FULVIEW)	395 500	272 313
								6247	S9 PEACHTEXT/SP/ML (SMARTERM)	500	313
	** OKIDATA							6249	S9 PEACHTEXT/SP/ML (VIDEOTERM) S9 SPELLING PROOFREADER	500	313 97
6201	DKIGRAPH II	65	59					6240 6239	S9 TELECOMMUNICATIONS	150 150	106
V	· · · · · · · · · · · · · · · · · · ·	Ų.J	3,					6242	59 THESAURUS	200	128
						24		6252	STEDMANS MEDICAL DICT (REQ SP)	250	176
	** ONEGA MICROWARE						100				
6214	CHART TRADER + PLUS	199	153						** PEACHTREE SOFTWARE		
6209	CHART TRADER PAC	149	(A) 12 (A)						** REQ 8" CP/M		
6206 6211	CONSOLIDATOR (VISICALC) FINANCIAL TRADER PAC	50 499						6267	SIO JOB COSTING	750	469
6203	INSPECTOR DISK, THE	60	2000 M 3 M 30 M 200	18				6254	S4 ACCOUNTS PAYABLE	600	375
6213	INVESTORS TOOLKIT +DEMO		. 8					6255 6256	S4 ACCOUNTS RECEIVABLE S4 CALENDAR MANAGER	600 375	375 240
6202 6205	LOCKSMITH MANAGER, THE	100 35						6257	S4 GENERAL LEDGER	600	
6210	MARKET ANALYST PAC	249	43					6258	S4 PEACHPAC GL/AR/AP	395	253
6208	NIGHT FALLS	30						6265 6266	S6 CLIENT POSTING & ACCOUNTS S6 PASSIVE PAYROLL SERVICE	750 600	469 375
6212 6207	PROFESSIONAL TRADER PAC TRANSPORTER (VISICALC/STARFIRE)	699 50			0.			6259	SB ACCOUNTS PAYABLE	750	
6204	WATSON DISK	50	\$500 Profession				18	6260	58 ACCOUNTS RECEIVABLE	750	469
				95				6261	S8 GENERAL LEDGER	750 750	
	** OPTIMIZED SYSTEMS SOFTWARE							6262 6263	SB INVENTORY MANAGEMENT SB PEACHPAY	750 750	
								6264	SB SALES INVOICING	750	469
6215	SPEEDREAD PLUS	60						6269 6269	S9 MAILING LIST MANAGER S9 PEACHCALC	250 150	160 76
27		•						6270	S9 PEACHTEXT/SP/ML	395	
×	** OVERREEK ENTERPRISES							6271	S9 SPELLING PROOFREADER	150	
1210	BICK INCOLUTION (BD/H)	70					18	6272 6273	S9 TELECOMMUNICATIONS S9 THESAURUS SERIES	150 200	
6218 6217	DISK INSPECTOR (CP/M) MENU-PLUS 2.02 (CP/M)	30 30						0275	J) MEGAGAGA	200	120
6216	MICRO-WYL EDITOR (780 CP/M)	30									
	0%	88							** PEARLSOFT	3	
	** PAR SOFTWARE							6274	PERSONAL PEARL (CP/M.2.2 52K)	295	228
1220	STAT AUSTENS								(80 COL CARD)	97.	
6220	STAT-SYSTEMS	295	50				100		** PENGUIN SOFTWARE		
99	anno anticologica del como con con con con con con con con con co		5%								
100	** PASSPORT DESIGNS							6282	ADDL FONTS & CHAR SETS (GS II)	20	15
	** SEE HARDWARE SECTION							6283 6287	CRIME WAVE GRAPHICS MAGICIAN (GRPH TABLT)	20 70	15 55
6222	MUSIC TUTOR	195	168				2.0	6276	GRAPHICS MAGICIAN (PDL/JOYSTK)	- 60	44
6223	NOTES & KEYS	195	168	()				6284	GRAPHICS SYSTEM II (GRPH TABLT)	120	. 93
6224 6225	NOTEWRITER TURBO-TRAKS	99 250	86 215				22	6280 6286	GRAPHICS SYSTEM II (PDL/JOYSTK) GRPH SYS/SPECL EFF (GRPH TABLT)	70 190	51 146
200000		10.45 to 50	(174,197)			7%		6278	PIE-MAN	20	15
	AA DAY I ECC TAY							6285 6281	SPECIAL EFFECTS (GRPH TABLET) SPECIAL EFFECTS (PDL/JOYSTICK)	70 40	55 29
	** PAY LESS TAX					÷		6275	SPY'S DEMISE	20	15
6221	PAY LESS TAX	150	106			75	•	6279	THUNDERBOMBS	20	15
•3		88.		30			90 H	6277	TRANSYLVANIA	20	15
	** PBL				10		100	Ŋ.			
:		5						82			
6226	PERSONAL INVESTOR (MMII)	145	112	88		4			100 mg		
85	80) 30s		W								

NMBR	P	LIST	SELL	23					NMBR F	ITEM		LIST	SELL 
	** PERFECT SOFTWARE  *** ALL REDUIRE CP/M & 80 COL				38			83		** QUALITY SOFTWARE	E)		
6291 6294 6290 6293 6296	PERFECT CALC PERFECT CALC (8° CP/M) PERFECT FILER PERFECT FILER & CALC PERFECT FILER & CALC (8° CP/M)	295 595	151 254 313						6344 6350 6343 6349 6342	ALI BABBA & THE FORTY TH ASTROAPPLE BAG OF TRICKS BATTLESHIP COMMANDER BENEATH APPLE MANOR	\$10 200	33 20 40 20 30	32 16
6295 6289 6297 6288	PERFECT FILER (B" CP/M) PERFECT SPELLER PERFECT SPELLER (8" CF/M)	595	298 126 151		255				6347 6346 6348 6353	CROSS REFERENCE FASTGAMMON FRACAS GBS-DB APPL DEV PGM (CP/	(M)	25 25 25 650	20 20 20 488
6292 6299 6298	PERFECT WRITER & SPELLER PERFECT WRITER & SPELLER (8") PERFECT WRITER (8" CP/M)	695 695 495	290 348				ži.		6345 6352 6351	METERDIDS IN SPACE PRO POKER OS REVERSI		40 30	32 24
	** PHOENIX PERFORMANCE SYSTEMS	*						25		** QUINSEPT		E 25	12
6300	THE AUTHOR	195				, ;			6355 6354	FAMILY ROOTS LINEAGES	*	185	155 72
	** PHOENIX SOFTWARE							89		** RAINBOW COMPUTING 💥	15.55   16.12   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.55   17.5	32	
6301 6302 6305 6303 6306 6304 6307	ADVENTURE IN TIME BANNER MABIC BIRTH OF THE PHOENIX, THE FORMS FOUNDRY QUEEN OF PHOBOS SHERWOOD FOREST ZOOM GRAFIX	30 25 22 150 35 35 50	19 16 106 26 26		180 <u>.</u>	38			6356 6357 6358 6359 6360 6361 6362 6363	BAT-STAT BOWLING DATA SYSTEM 2.0 DISK FIXER PODR MANS GRAPHIC TABLE POT 0 60LD PLUS RAINBOW GRAPHICS SKRAM SOME COMMON BASIC PROGRE		50 150 30 50 40 30 20	
£	** PICCADILLY SOFTWARE	• =			\$1				636 <b>4</b> 636 <b>5</b>	STATISTICS WITH DAISY SUPER SOUND 3.3		B0 20	
630B 6312 6311	FALCONS RIBBIT STARBLASTER	30 30 30								** REALTY SOFTWARE 🔻			
6313 6310 6309	SUCCESSION SUICIDE WARP DESTROYER	30 30 30	22					90 90	6374 6371 6372 6370	APR LOAN ANALYSIS CONSTRUCTION COST/PROFIT DEPRECIATION/ACRS HOME PURCHASE	T	50 50 50 50	H2
6314 6315	** FROFORMA SOFTWARE  TAX BREAK ANNUAL  TAX BREAK PLANNER	130 180	1000,000	6					6377 6369 6373 6375 6367	INCOME PROPERTY ANALYSIS LOAN AMORTIZATION SCHEDI LOAN SALES/FURCHASE LOAN WRAP ANALYSIS PROPERTY LISTING & COMPA	JLE	50 50 50 50 325	i.
	** PROGRAM DESIGN	-0							6366 6368 6376	PROPERTY MANAGEMENT PROPERTY SALES TAX DEFERRED EXCHANGE AI	300	375 50 50	
6331 6317	ANALOGIES ASTRO QUETES	24 24							6376		88	30	
6323 6325 6326 6316 6335	CODE BREAKER MEMORY BUILDER CONCENTRATION MINICROSSWORD NEW STEP BY STEP NUMBER SERIES	24 24 24 80 24	24 19 24 63 24		in.				97	** RED WING BUSINESS SY:			
6338 6318	PREPARING FOR THE SAT PRESCHOOL IQ BUILDER	120 24	93 19							** REVEAL SOFTWARE			
6320 6322 6321	PRESCHOOL IQ BUILDER 1 PRESCHOOL IQ BUILDER 1 & 2 PRESCHOOL IQ BUILDER 2	24 45 24	24				*	2	6378 6379	PORTFOLIO & CLIENT MANA( SOFTWARE WARRANTY 1 YEA)			1054 290
6336 6324 6337	QUANTITATIVE COMPARISONS READING COMPREHENSION SPELLING BUILDER	27 24 27	22 19 27			05 58					*		2 23
6319 6339 6330 6334	STEP BY STEP TWO STORY BUILDER/WORD MASTER TIME BOMB WORD GAME VOCABULARY BUILDER 1 & 2	90 24 24 45	71 19 24 45			£3				** ROCKROY	§ 91	3	
6332 6333 6327 6328	VOCABULARY BUILDER ONE VOCABULARY BUILDER TWO WORD SEARCH: FRENCH WORD SEARCH: GEOGRAPHY	24 24 24 24	24 24 24 24					**	6382 6383	CONGLOMERATES COLLIDE MAX COMMAND		40 40	32 32
6329	WDRD SEARCH: SPANISH	24	24						•	** ROCKY MOUNTAIN SOFTW	ARE		ū
	** FROMPT DOC	7: E						<b>3</b>	6384	TELETRANSFER (MMII)		40	w)
6340	MANUAL MAKER (CP/M)	245	191					22		** ROKLAN		Ì	x **
6341	** PROXIMITY DEVICES ** WORD CHALLENGE	40					200	18	6385 6387 6388 6386	GORF PICTURE PARTS SPACE JOURNEY WIZARD OF WOR		40 40 40 40	32 32 32 32
			23		-4	<b>4</b>	2333		~ <b>~ ~ U</b>	THE PARTY		70	24

BR P	ITEM !	IST S	ELL	8.5	NMBR P	ITEM	LIST SEL
			×				
	** RTR SOFTWARE					** SIERRA ON LINE	
71	DB UTIL (REQ DOWJONES MKT ANAL)	90			6443	ADV O-MISSION ASTEROID	20
9	MARKET CHARTER	130	×		6445	ADV 1-MYSTERY HOUSE	25
0	MARKET CHARTER II	250			6456	ADV 2-WIZARD & THE PRINCESS	33
					6435	ADV 3-CRANSTON MANOR	35 35
					6452	ADV 4-ULYSSES & GOLDEN FLEECE ADV 5-TIME ZONE	100
	** SABER SOFTWARE				6451 6473	APPLE CIDER SPIDER	30
2	DEMONS FORGE	30	22		6467	ARTIST, THE	80
2	DELIDAS LOVOE	30	22		6468	BOP-A-BET	28
					6434	CANNONBALL BLITZ	35
	** SATORI SOFTWARE		92	₩.	6436	CROSSFIRE	30
					6458	DARK CRYSTAL	35
3	BULK MAILER	125	97		6463 6469	DIC-TIO-NARY, THE Dragons KEEP	100 30
4	BULK MAILER-HARD DISK VERSION				6461	E.P.F. IV	80
5	INVENTORY MANAGER	150	112		6438	FOOTBALL-HIRES	40
6	LEGAL BILLING	350	263	S E	6437	FROGGER	35
	85				6462	GENERAL MANAGER, THE	230 1
10	** SAVANT SOFTWARE				6453	JAWBREAKER	20
		200		93	6440	LAFF PAK	35
9	CODE PRACTICE	30	24		6471	LEARNING WITH LEEPER	35
7	DIETCALC	30	24		6466	LISA 2.5 LUNAR LEEPER	80 80
8	OPTIONCALC	65	52		6441 6442	MARAUDER	35
			-73	8	6465	MEMORY MANAGEMENT 2	50
	** CCUDIACTIC MITHADE		7		6444	MISSILE DEFENSE	30
89	** SCHOLASTIC WIZWARE				6454	MOUSKATTACK	- 35
0	MICROZINE	40	29		6446	PEGASUS II	30
1	COULDE DATES	40			6447	PEST PATROL	30
2	TURTLE TRACKS	40	29	8	6448	SABOTAGE	25
					6472	SAMMY LIGHTFOOT	30
					6459	SCREEN WRITER II SCREEN WRITER PRO (80 COL)	130 200 1
	** SCIENTIFIC SOFTWARE PRODUCTS				6460 6439	SOCCER-HIRES	30
_	AMBERNARY INDITIONS CHIMANICENTH	<b>5</b> 0	40		6449	SOFTPORN ADVENTURE	30
3	AMPERWARE-APPLESOFT ENHANCEMENT BIBLIOTEK		40 150		6464	SPEED ASM	40
7	BIDLIUIEN	173	130		6450	THRESHOLD	40
					6470	TROLLS TALE	30
	** SELECT :NFORMATION SYSTEMS				6455	ULTIMA II	60 40
	*** ALL REQUIRE CP/M				6457	NALL WAR	40
15	SELECT WORD PROCESSING SYSTEM	595		<u> </u>			
6	TEACH/M	. 7 <b>5</b>	54			** SIERRA SOFTWARE	
			2		6474	RETROBALL	30
	** SENSIBLE SOFTWARE				6475	SPACE ADVENTURE	30
13	AOPT	20	15			DILLOOD HALLEY EVETEME	
12	APLUS-STRUCTURED BASIC	40				** SILICON VALLEY SYSTEMS	
7	BACK IT UP	40	44	<b>10</b>	6483	APPLE SOURCE	40
19 24	BEST-APPLESOFT PGM OPTIMIZER BLACKS LEGAL DICTIONARY	40 100	7 B		6485	COLLECTOR, THE	25
25	BOOK ENDS	125	89		6479	EZ LEARNER	40
21	BUG-DEBUG ASSEMBLY LANGUAGE	50	40		6484	FINAL ANALYSIS	275
8	BUILD USING	30	22		6486	LANCASTER	30
22	CYCLOTRON	30	24	题	6477	LIST HANDLER	90
1 1	DISK ORGANIZER 2	30			6478	RAPID READER	40
0	DISK RECOVERY "SCANNER"	30	22		6481	SNAPPER	33
16	DOS PLUS	25	19		6482	TODDLERS TUTOR	25
7	EDIT SOFT	40	29		6480 6476	TURBOCHARGER WORD HANDLER	30 199 -
23	IMAGE PRINTER II	50 25	37 19	8	01/0	NEUE DEMACEN	199
4	MULTIDISK CATALOG III ORIGINAL DUICK LOADER, THE	25 25	19				-
9	PASCAL LOWER CASE	25	19			** SIR TECH SOFTWARE	
20	QUADRANT 6112	30	22	23		*********	•3
27	REPORT CARD	60	44	100	6488	GALACTIC ATTACK	30
26	SENSIBLE SPELLER-UNIVERSAL	125			6492	POLICE ARTIST	35 75
28	SPELLER IV	125	89	8.5	6490	STAR MAZE WIZARDRY 1-PROVING GROUNDS	35 50
29	STEADMANS MEDICAL DICTIONARY	100		82	6487	WIZARDRY 2-KNIGHT OF DIAMONDS	35
OB	SUPER DISK COPY III	35	26		6489 6491	WIZARDRY 3-LEGACY OF LLYLGAMYN	40
	ER CENTIENT PORTURDE				6493	- WIZIPRINT	25
	** SENTIENT SOFTHARE				0		
32 31	CONGO CYBOR6	35 33	26 26	F8		55 E	
33	60LDRUSH	35	26	32			
30	OO-TOPOS	33				<u>*</u>	

Militar	P ITEM	LIST		18		99	NMBR P			SELL
79 19						2				
	** SIRIUS SOFTWARE						at.	** SOFTECH MICROSYSTEMS	¥.	
6494	AUDEX	30	24				6554	BASIC COMPILER & RUNTIME PAC	225	
6495 6496	AUTOBAHN BANDITS	30 35	24 28			38	6556 6553	SOFTEACH UCSD F-SYSTEM SET (64K)	125 625	
6497	BEER RUN	30	24				6555	XENOFILE	50	
6498	BLADE OF ELACKPOOLE, THE	40	32							
6499 6500	BOR6 BOTH BARRELS	30 25	24 19		88			** SOFTRONICS		
4535	BUZZARD EAIT	35	28						či,	
6502	COMPUTER FOOSBALL	30	24		12		6557	SOFTERM (MHII/5M300/1200)	150	115
6501 6533	COPTS & RUBBERS CRITICAL MASS	35 40	28 32					100 ES		
6503	CYBER STAIKE	40	29					** SOFTSTALKER		
6504	CYCLODS	30	24				6558	SIMPLE*DOS	50	4.
6505 6506	DARK FOREST EPOCH	30 35	24 28				0330	SINTLEADUS	30	7.
6507	ESCAPE FROM RUNGISTAN	30	24							
6508	EZ DRAW 3.3	50	40					** SOFTWARE BY .H	10	
6509 6510	FLIP OUT FLY WARS	30 30	24 24				6559	TOTAL LEARNING SYSTEM	129	84
6511	FREE FALL	30	24							
6512	GAMMA GOBLINS	30	24					** SDFTWARE CONNECTIONS		
6513 6536	GORGON GURDS IN SPACE	40 35	32 28				1.		8	
6514	HADRON	35	28		30		6561	CLASSROMM MONITOR-HARD DSK VERS		
6515		. 30	24		2	*10	6560 6562	CLASSROOM MONITOR MAIL MONITOR		
6516 6517	KABUL SPY LEMMINGS	35	28	<b>*</b>			6563	TIMEKEEPER		
651B	MINOTAUR	30 35	24 28				18			1
6519	ORBITRON	30	24					XX COCTUADE DIMENSIONS	200	92
6520	OUTPOST SAFEAR CO EDITOR	30	24					** SOFTWARE DIMENSIONS	ž.	
6521 6522	PASCAL GRAPHICS EDITOR PHANTOMS FIVE	100 30	79 24				6579	AP CPM-1 MODULE	645	369
6534	PLASMANIA	35	28				6572	AP CFM-2 MODULES	1290	
6523	PULSAR 2	30	24				6573 6574	AP CPM-3 MODULES AP CPM-4 MODULES	1935	1066
6524 6525	REPTON SNAKE BYTE	40 30	32 24				6575	AP CPM-5 MODULES		1756
6526	SNEAKERS	30	24				6576	AP CPM-6 MODULES	3B70	2107
6527	SPACE EEGS	30	24	55			6577 4570	AP CPM-7 MODULES		2425
6528 6530	STAR CRUIEER TWERPS	25	19				6578 6565	AP CPM-B MODULES AP CPM-ACCOUNTS PAYABLE	2100	2776
6529	TYPE ATTACK	30 40	24 32				6566	AP CPM-ACCOUNTS RECEIVABLE		
6531	NAVY NAVY	35	28				6564	AP CPM-GENERAL LEDGER	645	369
6532	MAYOUT	40	32				6569 6571	AP CPM-INVENTORY AP CPM-PAYROLL		
						75	6570	AP CPM-PDINT OF SALE		
							6567	AP CPM-PURCHASE ORDER ENTRY		
							6568 6585	AP CPM-SALES ORDER ENTRY AP II-1 NODULE-6L	705	746
	** SMARTWARE **						6586	AP II-2 MODULES	395 725	
6537	GRAF PAK-HIRES DUMP-MX70/80	30					6587	AP II-3 MODULES-GL/ARORAP/IN	995	
							6588 4501	AP II-4 MODULES-GL/AR/AP/IN	1250	732
	** CMITH MICON COCTUANS						6581. 6582	AP II-ACCOUNTS PAYABLE AP II-ACCOUNTS RECEIVABLE		
	** SMITH MICRO SOFTWARE						6593	AP II-DATA PLUS	99	66
6538	STOCK PORTFOLIO SYS (MMII OPT)	185	131	92			6580	AP II-GENERAL LEDGER	395	
				**			6592 6584	AP II-GENERAL LEDGER PLUS AP II-INVENTORY	190	122
	** SOF/SYS					100	6595	AP II-INVOICES PLUS	295	186
							6594	AP 11-LABELS PLUS	99	
6543	DISK RECOVERY SYSTEM-DRS	100	78	100		88	6583 6589	AP II-PAYROLL ADD ON	775	. 25
6539 6541	EXECUTIVE SECRETARY (MMI DPT) EXECUTIVE SECRETARY-HARD DISK	250	192	ži.		82	6590	AP. II-STAND ALONE INVENTORY	375 395	
6540	EXECUTIVE SPELLER	300 75	231 59			27	6591	AP II-STAND ALDNE PAYROLL	400	
	LOWER CASE ADAPTER	40	29	9%			180			
6544	PERSONAL SECRETARY	100	78					** SOFTWARE EMPORIUM	9	
6542	WRITE PROTECT CARD + MANUAL	75	59					*********		
							6596	INFERNO	30	2
	** SOFT IMAGES							TO BOSTUARS RECEIVED		
6545	BLACK JACK STRATEGY	70						** SOFTWARE PRODUCTIONS	_	
6546 6547	PANDAMONIUM SINGLES NIGHT AT MOLLYS	40 30	29				6598	ALPHABET BEASTS	30	2:
0547	STROKES MIGHT WI HAFFIS	30	. 22				6597	MICRO MOTHER GOOSE	40	
	** SOFTCORP INTERNATIONAL									<b>1</b> 00
8			32500				18	** SOFTWARE PUBLISHING		
6552 4540	SS1 BASIC BUISNESS STATISTICS	250	208				6602	PFS *DEMO		4
	SS2 REGRESSION & CORRELATION						6599	PFS: FILING SYSTEM	125	5 B
6548 6549	SS3 ANALYSIS OF VARIANCE							APA SELEN		
6549 6550	SS3 ANALYSIS OF VARIANCE SS4 FORECASTING						1044	PFS: GRAPH PFS: REPORT	125 125	

NMBR F	ITEM	LIST	SELL	30	2		NMBR P	ITEM .	LIST	SELL
	<u>\$1</u>									
	** SOFTWARE RESOURCES 🐳							** SOUTHWEST ED PSYCH SERVICES		
6604	OPTION ANALYSIS SYSTEM-D.A.SYS	395					6645	MATH MACHINE	- B0	58
6603	SMART (MMII/Sh300/1200)						6546	MATH WARS	40	
							6647	READING MACHINE	- 60	
	** SOFTWARE TECHNOLOGY-STC						6643 6644	SPELLING MACHINE SPELLING SORGERY	50 30	
	***			3.						
6607	게 가능한 게 되었다. [2] 가입니다 (A. )	395					87			
6610 6609		200 200						** SOUTHWESTERN DATA SYSTEMS		
8099	INVENTORY	275					6648	ACE	40	31
6606		175					6649	ALIEN GAME, THE	35	27
6605	TIME & BILLING, PROFESSIONAL	395	296				6673	AMPER CHART	50	37
<b>1</b> 00							6650°	AMPERSOFT LIB 1 APPLE DOC	50 40	37 29
41 18	** SOFTWORKS						6652	ASCII EXPRESS II (MMII/SM300)	80	44 .
6612	COMM PAC	85	62				6662 6655	ASCII EXPRESS PRO (MMII/SM300)  COPRESPONDENT/LETTER CARRIER	130 60	9B 46
6611	STOCK PAC	110	79	<b>X</b> S			6671	DISK LIBRARY	50	40
							6654	DOUBLE TIME PRINTER	100	72
	** SOLID SOFTWARE				4		6656 6657	FINANCIAL MANAGEMENT SYSTEM II LIST MASTER	65 40	50 31
300000		•					6658	MERLIN	65	50
6616 6615	COMMERCIAL PROPERTY ANALYSIS COMMERCIAL PROPERTY MANAGEMENT	895 1495			92		6653	MERLIN/MUNCHABUG/ASSEMBLY LINE	120	90
6614	MEDICAL DATA MANAGEMENT	1495					6659 6660	NUNCH A BUG NORAD	50 40	39 31
6613	SALES ENTRY DEDER W/AR & INV	1495	915				6661	DNLINE (MMII-)	90	69
**							6664	F-TERM PRO (80 CBL) (MMI1/SM300)	1.56	.98
9	** SOLIDUS INTERNATIONAL						6663 6667	PRINTBGRAPHER PROGRAMMERS UTILITY	50 25	39 20
1.400	INTERDATE OF US UBUS BARROWS	š	202328				6665	ROSERS EASEL	25	20
6620 6617	INTEGRITY PLUS-HOWE DIAGNOSTIC STOCKFILE		66 679				6666	ROUTINE MACHINE	65	48
6621	STOCKFILE/SELLER/MAKER		1905				6672 6668	SPANISH FOR THE TRAVELER SPEED STAR-APPLESOFT COMPILER	06 001	46 72
6619 6618	STOCKMAKER STOCKSELLER		679				6669	Z-TERM (CP/M) (MMII)	100	76
0015	3:00/35000		793				6670	I-TERM PRO(CPM/FM52/MMII/SM300)	150	111
				30						
	** SOLUTIONS							** SPACE TIME ASSOCIATES	*	
	** DOTO!!OMD						6674	AIR NAVIGATION TRAINER	40	30
6623	VIS/BRIDGE/REPORT (VISICALC)	79	73							
6622	VIS/BRIDGE/SORT (VISICALC)	89	81				20	A COUNTERIN COUTWARD M		
		8						** SPECTRUM SOFTWARE *		
	** SOPHISTICATED SOFTWARE	12					6676	LOGIC DESIGNER & SIMULATOR	250	
7885	LABELER, THE	20	5				6677 6675	MATHEMATICS SERIES MICRO-CAP	50 475	
7884	LE MENU	40			80		6678	PERSONAL FINANCE MASTER	75	
7882	LITTLE BLACK BOOK, THE	100					6680	SSI-ACCOUNTS RECEIVABLE	150	
7886 7887	PRINT-A-FILE (REQ ROLL A FILE)	70 40					6679	SSI-GENERAL LEDGER	150	
7886	ROLL-A-FILE	30			28					
7683	SCHEDULER, THE	70						** SPINNAKER SOFTWARE		
							6687	CHRISTMAS SAMPLER	30	22
	** SORCIM						6685	DELTA DRAWING	50	37
	*** ALL REQUIRE CP/M						6681 6689	FACEMAKER HEY DIDDLE DIDDLE	35 30	27 22
6625	SPELLGUARD	195	138				6690	IN SEARCH OF AMAZING THING	40	29
6635	SPELLGUARD (8° CP/M)		138				6688	KINDER COMP	30	22
6624 . 6636	SUPERCALC (8° CP/M)	195	138 138	98			6682	RHYMES & RIDDLES SNOOPER TROOPS 1-6HOST	30 45	22 35
6627	SUPERCALC 2	295		W 8			6683	SNOOPER TROOPS 2-DOLPHIN	45	35
6637	SUPERCALC 2 (8" CP/M)	295	208	n ller u			6684	STORY MACHINE	35	
6628 6629	SUPERCHART - TBA SUPERDATA - TBA	0	83				6691	TEN FAC-ALL THE ABOVE	350	221
6632	SUPERTOOL ACT-ASSEMBLER	175	100	196	01 Si	N2				
6633	SUPERTOOL ACT/COMB	300			20	92		** 5SM	35 <b>.</b>	#6
6630 6631	SUPERTOOL PASCAL/M BO86	395 495		. 3			6692	TRANSEND 1 (MMII/SM300)	· 89	71
6634	SUPERTOOL TRANS 86	175					6693	TRANSEND 2	149	115
5626	SUPERWRITER-SPECIAL THRU JUL 20	295	189				6694 6695	TRANSEND 2 *DEMO TRANSEND 3	275	212
	8			2			5070	TINDAGENE W	275	212
88 ₆₈	** SOUTHEASTERN SOFTWARE						25			:
563B	DATA CAPTURE 4.0 (MMII/SM300)	65	48	84				** \$\$R		
6640	DATA CAPTURE 4.0 (MATT/SMSOU)	. 90	45	2			6696	INFOTORY-INVENTORY MANAGEMENT	295	192
6641	DATA CAPTURE 4.0-SUP'R'TERM	90	65	2 2 2					92	
6642 - 6639 -	DATA CAPTURE 4.0-SUPERSERIAL DATA CAPTURE 4.0-VIDEOTERM	90	71 65	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3						
7937	PRIN UNITED TAV TARDIERR	70	D.J	- 1			1807 - 1	W CER DACE 2 MICCI	יייי	DTAR
	18	21	22					* SEE PAGE 3, MISSI	YU F	

NMBR P	ITEM	LIST	SELL				NMBR P	ITEM	LIST	SELL
					74 W				a	
	** STARSOFT		200					** SUNRISE SOFTWARE		
			845001		\$1		100 TO 100 T		Si .	
6699 6698	CLIENT WRITE-UP *DEMO CPApartner WRITEUP	105	128 647			20	6767	TAX MINI-MISER	295	227
6697	CPApartner WRITEUP & BILLING	1295								
6700	PROpartner	695	647					** SUPERSOFT		
6701	PROpartner *DEMO		97				1710	: AOTINIZES		
							0,700	OPTIMIZER	200	154
97.	** STONEWARE									
6712	COMPUCUBE	70	7.4					** SURVEYORS SUPPLY		
6703	DB MASTER	30 229	24 170				6769	TRAV-POINT PLOTTING	1500	1250
6714	DB MASTER SPECIAL 3 PAC	837	431							
6702 6704	DB MASTER STAT PAC	129	97			20		** SYNAPSE SOFTWARE	X	
6705	DB MASTER UTILITY PAC 1 DB MASTER UTILITY PAC 2	129 129	97 97					TITLE SUFTWARE		
6715	DB MASTER VERSION 4.0	350	254				6774	DRELBS	35	
670B	DB MASTER-HARD DISK DB UTILITY PAC 1 *DEMO		362				6773 6771	PICNIC PARANOIA PROTECTOR II	35 35	
6711	ELECTRONIC PRICE SHEET	100					6772	SHAMUS	35 3 <b>5</b>	
6706	GRAPHIC PROCESS SYSTEM	69					6770	SLIME	35	
6707 6709		179					120		10	
6710	HOW TO RUN YOUR APPLE-BETAMAX HOW TO RUN YOUR APPLE-VHS	120			2			** SYNERGISTIC SOFTWARE		
	A	15.m.5	, ,							
	** STRATEGIC SIMULATIONS						6784	ADVENTURE TO ATLANTIS	40	
	** DIRECTO DINOCALICAD						6787 6779	BOLO CAMPAIGN TRILOGY	35 30	
6716	BATTLE FOR NORMANDY	40 40	31		1		6788	CRISIS MOUNTAIN	35	
6741 6743	BATTLE OF SHILDH, THE BOMB ALLEY		31				6793	DATA REPORTER	220	169
6717	BOMB ALLEY CARTELS & CUTTHROATS	40	46 31				6795 6802	DATA REPORTER-HARD DISK DIRECTORY MANAGER 2	220	
6722	COMPUTER AIR COMBAT	60	46				6775	DUNGEON CAMPAIGN	30 18	
6719 6723	COMPUTER BASEBALL	60	46				6783	ESCAPE FROM ARCTURUS	30	24
6718	COMPUTER BISMARK	40 60	31 46	3			6785 6796	GAME ANIMATION PAC GLOBAL PROGRAM LINE EDITOR	50	
6721	COMPUTER CONFLICT	40	31		•8		6801	HIGHER FONTS	65 15	
	COMPUTER QUARTERBACK COSMIC BALANCE 2, THE	40	31				6B00	HIGHER GRAPHICS 2	35	
	COSNIC BALANCE, THE						6799 6797	HIGHER TEXT 2 INTEGER BASIC COMPILER	40	
6725	CYTRON MASTERS	40	3 t				6782	LINGUIST	150 40	
		40	31				6791	MAILING LIST DATABASE	50	3/25
	FIGHTER COMMAND GALACTIC ADVENTURES	60	46 46				6789 6792	MICROBE MODIFIABLE DATABASE	45	
	SALACTIC BLADIATORS	40	31				6786	NIGHTMARE GALLERY	30	
9000	W	60	46				6778	ODYSSEY	30	
		40	46 31				6803 6781	PLANETARY GUIDE, THE	30	
6731		60	46		3		6798	PROCYON WARRIOR PROGRAM LINE EDITOR	25 40	
		60	46				6794	SOFT SEVENTY WORD PROCESSOR	. 50	3000
		40	46 31				6780 6790	STAR GAZERS GUIDE U-BOAT COMMAND	30	
6733	PURSUIT OF THE GRAF SPEE	60	46			35	6777	WILDERNESS & DUNGEON	30 33	
	RAPID DEPLOYMENT FORCE	35	27				6776	WILDERNESS CAMPAIGN	20	
	ROAD TO BETTYSBURG SHATTERED ALLIANCE, THE	60	46 46							
		40	31					** SYNTONIC SOFTWARE		
6737	SOUTHERN COMMAND		46							
6742 6738	TIGERS IN THE SNOW TORPEDO FIRE	40 60	31			69	6805	DECISION?MASTER	. 40	39
	WARP FACTOR, THE	40	46 31				6804	INTERLUDE	22	22
	28 ES		Necessar							
	** SUBLOGIC COMMUNICATION	i						** SYSTEMS DESIGN LAB-SDL		
88							6809	COLLEGE FOOTBALL	50	æ
	ESCAPE	30	24				6811	FORECASTER 11-LINEAR REGRESSION	30	
	FLIGHT SIMULATOR FRONT LINE	34 30	27 24				6010 6807	MULTIPLE REGRESSION	40	
	42-1_ TOBERSON TOBERSON TO THE PROPERTY OF THE	60	47	10			680B	PRO FOOTBALL GOLD EDITION	50 200	i i
	GRAPHICS EDITOR	35	27				6806	WIN AT THE RACES	50	4:0
	GRAPHICS FAMILY MUSIC MAKER	120 40	93 32	22			6812	WINNING AT THE RACES-BOOK	22	
	[일본(1982년 1986) 보호(1002년 1985년 1985년 - 1980년 1985년 1980년 1986년 1986년 1986년 1986년 1986년 1986년 1986년 1986년 1986년	35	28							
6756	ROAD BLOCK	30	24							
6751 6753	SATURN NAVIGATOR (RED GRA ANI) SPACE VIKINGS	35 50	28					**	8/1	
	WHOLE BRAIN SPELLING	50 35	40 28							
6764	WHOLE BRAIN SPELLING-CHILDREN	35	28							
6763 6761	WHOLE BRAIN SPELLING-FAIRYTALES		28							ž
6760	WHOLE BRAIN SPELLING-MEDICAL WHOLE BRAIN SPELLING-SCIENTIFIC	35 35	28 28						18 26	200
6762	WHOLE BRAIN SPELLING-SECRETARY	35	28							
6754	ZENDAR	30	24				120			

1	NHBR P	ITEM	LIST	SELL	*	NMBR P	TIEM	LIST	SELL
		*** SYSTEMS PLUS *** REQ 2 DRIVES OR HARD DISK *** SEE SOFTWARE DIMENSIONS *** SEE SPECIAL NOTE!		3.			** TELEPHONE SOFTWARE CONECTION  *** ORDER DIRECT VIA MODEM  **** 1(213)516-9432	*	
	6813	ACCOUNTING PLUS II-GL	795	281		6B58	ANSWERING MACHINE (MMII)	35	
	6814	ACCOUNTING PLUS II-GL+1		469		6886	BANNER MAKER	25	
	6815	ACCOUNTING PLUS II-6L+2				6890.	CATALOS SEARCH	25	
	6186	ACCOUNTING PLUS II-6L/AR/AP/IN		762		6855	CHESS CONNECTION (MMII)	35	
	6823	ACCOUNTING PLUS TRAINING MANUAL		66		6895	COMPUTER CONCENTRATION	25	
	6822	AP II-DATA PLUS		78		6866 6866	DESK CALCULATOR II	30	
	6820 6821	AP II-GL PLUS AP II-INVOICES PLUS	295	128 192		6879	DESK CALENDAR II DISK CRYPTION	35 35	
	6819	AP II-LABELS PLUS	100000000000000000000000000000000000000	78		6882	DISK DIRECTORY DATER	25	
	6817	AP 11-STANDALONE INVENTORY		100		6891	DISKETTE LABELMAKER	20	
	6818	AP II-STANDALONE PAYROLL PLUS	425			6894	DISKETTE TESTER	25	
		SEE FORMS UNDER PRINTER PAPER				6870	DOUBLE BOOT LANGUAGE CARD	15	
						6864 6893	DOUBLE DOS FID MOVER	18	
		** SYSTEMS PLUS			2	6B73	FP REPORTER	15 15	
		** 51312N5 FLUS				6885	GIANT GRAPHICS	35	925
	6834	BUSISDFT (IN DEVELOPMENT)	110			6854	SO-MOKU (MMII)	20	
	6832	CBASIC (CP/H)		128	€)	6877	HELP	20	
	6833	CIS COBOL (CP/M)	850	7.35		6871	HEX/DEC FOR LANGUAGE CARD	15	
	6825	CPA CLIENT WRITE-UP (CP/M)		1078	20 19	68 <b>81</b> 688 <b>9</b>	KEND MASTER LOST FILE RETRIEVER	25 35	
	682 <b>6</b> 6829	DPATCH (CP/M)	700		183	6859	LUNAR LANDER II	12	
	6837	MAILMERGE (CP/M)	173	154 97		6865	MATH TUTOR	25	
	6826	MEDICAL MANAGER (CP/M HARD DSK)		2083		6884	MENU MAKER	25	
	6830		295			6875	MR. SMARTYPANTS	15	
	6831	MICROTLX (CP/H) .	150			6853 6852	PHONE SECRETARY II FICTURE TRANSFER	40 35	
	6836 6824	SUPERSORT (CP/M) THE LANDLORD	595	160 406		6880	FRINTERS ASSISTANT	25	
	6827	THE WEDGE (CP/H)	199			6869	PROGRAMMERS LIBRARY	25	
	6835	WORDSTAR (CP/M)	20	313		686B	QUICK CLOCK ADJUST	15	
						6862 6863	SHAPE BUILDER SHAPE EDITOR	25	5%
					10	6861	SPELLING TUTOR	15 20	
		** T&F SOFTWARE	68		(d) (d)	6872	SUNRISE AND SUNSET	15	
		BRARENTY MANAGEMENT - DEMA				6851	TELE-GAMMON	35	
	6840 6839	PROPERTY MANAGEMENT *DEMO ** PROPERTY MANAGEMENT PROGRAM	220	14 154		6857	TELEPHONE TRANSFER II (MMII)	75	
	6838 ·	SECUR-A-TEXT	220 50	37		6898 6856	TELEPHONE UTILITIES TERMINAL (MMII)	15 35	
	6841	SLOT TRIVIA	30	22		6876	TEXT FILE EDITOR	30	
					<del>(</del> )	6867	TIME & MONEY METER	25	
		** TAURUS			(*)	6874	TIME TUTOR	25	
		**   HUNUD				6892	USR FREE SECTOR COUNT	25	
	6843	CP+ (8" CF/H)	150	106		6883 6878	VIDEO LIBRARIAN WALL STREET JOURNEY	40 25	
	6842	CP+ (CP/M)	150	106		6887	WORLD CURRENCY TRADER	25	
	3.	** TAX COMPUTER, THE					** TERRAPIN .		
	6845	BOOKKEEPER .	100	72		6896	TERRAPIN LOGO (64K)	150	115
	6846	PAYROLL COMPUTER-CA/FED	100	72			A POLICE A PART A PART		
	6847	PAYROLL COMPUTER-FEDERAL	100	72					
	6848 6849	PAYROLL COMPUTER-UT/FED TAX COMPUTER-CA	100 100	72 72		190	** THORN EMI HOME VIDEO		
	6844	TAX COMPUTER-FEDERAL	100	72		6897	LIBERATOR	40	34
					20	0077			•
		** TECHNICAL ANALYSIS GROUP			((*))		** TMQ SOFTWARE		
	6850	COMPU TRAC (MMII)	1800.			4000	ETI CEAY	140	
		want a titule titule of		*		6998	FILEFAX	149	115
							** TURNING POINT SOFTWARE	70	70
		07.				6899 6900	PENTAPUS TIME IS MONEY-AVAIL JUL	100 20	30 97
		* 9		51			** TURNKEY SOFTWARE		
						/ 844	6511 TUD 3550		
				20		6901	CEILING ZERO	30	24

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		£0				<b>.</b>	9	n
45	** ULTRASOFT					** VISICORP PERSONAL SOFTWARE		
6902	MASK OF THE SUN	40		**	6937	BUSINESS FORECASTING (REQ VC)	100	200
6903	SERFENTS STAR	40	- 29	52	6930 6940	DESKTOP PLAN 2 DESKTOP PLAN 2 *DEMO	250	206
					6935	VISICALC 3.3	250	19
	** UNITED SOFTWARE OF AMERICA		20		6942 6939	VISICALC 3.3 *DEMO	250	19
6907	APPLE WORLD	60	48	20	6929	VISIFILE .	250	
6910 6906	BUG BATTLE CONQUEST W/SUFER KRAM CARD	23 250	18 192	22	6943 6938	VISIFILE *DEMO VISILINK	250	20
6911	ROBOT BATTLE	30	24		6931	VISIPLOT	200	16
5904 5905	SPACE RAIDERS STAR DANCE	25 25	20		6936 6944	VISISCHEDULE *DEMO	300	23
908	SUPERGRAPHICS IN 3D	40	32		6934	VISITERM	100.	{
909	SURVIVAL ADVENTURE	25	20		6941	VISITERM *DEMO	700	
	13 0		*	*	6932 6945	VISITREND & VISIPLOT *DEMO	300	23
	** VAGABONDO ENTERPRISES			₩ <u></u>	6933	VISITREND/PLOT-PRINTER DRIVER		
6912	CEEMAC	75	53					ą.
5914 5913	MAESTRO Sparkee	35	26 20			** VOYAGER SOFTWARE		
					6946	STARSHIP COMMANDER	. 30	2
	** VERBATIM					** WADSWORTH ELECTRONIC PUBL		
881	DISK DRIVE ANALYZER				6947	STATPRO	1995	
•	** VERSA COMPUTING						13.5	
3					*	** WESTWARE SOFTWARE		
918	ADVANCED X-TENDED EDITOR-AXE ALPHABET SQUARES	70 30	55 24			*** AVAIL STANDALONE MODULES  *** &L/IN/AR/AP/JOB COSTING/		
921	ANATOMY I	. 40	32		8	*** PAYROLL/DB		
91B	BATTLESIGHT Cashnaster	40	32 224	13)	6954	CYCLE BILLING	295	2
924	COLOR ME	300 30		5:	6952	STANDALONES-ADD ONE	395	
5920	GLOBE MASTER II	40			6953	STANDALONES-ADD ONE-HARD DISK		
5917 5917	HERE'S HOLLYWOOD NEET THE PRESIDENTS	25 40		•	6950 6951	STANDALONES-ANY 2 MODULES STANDALONES-ANY 2 MODULES-HARD		
922	SOLAR SYSTEM	40	100000000000000000000000000000000000000		6948		1595	
6915 6916	VERSAWRITER EXPANSION PAC-I VERSAWRITER EXPANSION PAC-II	40			6955 6949		25 1695	
	** VIRTUAL COMBINATICS	٠	(5)			** WINNERS CIRCLE		
020		• • •		Tig.	1051			- 23
928 926	APPETIZERS (REQ MC) MICRO BARMATE	12 40	29		6956	DISK ENCRYPTION SYSTEM	60	
925 927	MICRO COOKBOOK SOUPS & SALADS (REO MC)	40 12				** XERDX EDUCATION PUBLICATIONS		
,,,,	ישוו טעוושה ב ני נינטט	12	7	65				
	67.				6960 6959	OLD IRONSIDES STICKY BEAR ABC	40	
					6957	STICKY BEAR BOP	40	
					6958	STICKY BEAR NUMBERS	40	
					e:	** XPS		
1					6964	CRYPTO GENERATOR	25	
63	SIX SIX	55.			6962	DEANS LIST	25	
		2		20	6963 1896	DRILL INSTRUCTOR  XPS DIAGNOSTICS/APPLE CILLIN II	40 50	
	185 195				8701		30	
			e	« ·		** XYZZY SÖFTWARE *		
	15		.5	20. ★9	6965	GRAM-A-SYST (SM300)	250	
				*	6966	TLX-A-SYST	250	
	•i •					** 351765107		
					\$1000000000000000000000000000000000000	** ZEITGEIST	<u>  [55</u> 184)	
	3 8				6967 6968	INVADER ATTACK-ADD/SUB FRACTIS INVADER ROUNDUP-ADDTN/SUBTR	50 50	
8.		10		8	6969	SPACE MOUSE-MUL/DIV FRACTNS	50	
	•			30	6970	SPACE SCANNER-MULTN/DIVSN	50	į
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## SOFTWARE-APPLE IIe

C NMBR P	ITEM	LIST	SELL		3	NMBR F	P ITEM	LIST	SELL
	ADDIE TTE PRETUABE DECINE			40 12			AN CALLE		
82	** APPLE IIE SOFTWARE BEGINS	8				E 7801 £ 7798	** SYSTEMS PLUS  ACCOUNTING PLUS SUPER-GL/AR/AP  ACCOUNTING PLUS SUPER/E-AP	1150	710
	** CDEX	D				E 7797 E 7796	ACCOUNTING PLUS SUPER/E-AR ACCOUNTING PLUS SUPER/E-GL	350 350 450	224 224 281
E 7050	TRAINING FOR THE APPLE IIE	60	4B			E 7800 E 7799	ACCOUNTING PLUS SUPER/E-INVENRY ACCOUNTING PLUS SUPER/E-PAYROLL		
en i	** CMA MICRO COMPUTER	e.			e ij		** VIRTUAL COMBINATIOS		
E 7071 E 7072 E 7073	CLIENT MEDICAL BILLING SYSTEM DENTAL OFFICE MANAGEMENT II DENTAL OFFICE MANAGEMENT IIC	1596 1296 1696		22	; <b>.</b> ≅	E 7845 E 7840 E 7843	APPETIZERS (REQ MC) MICRO COOKBOOK SOUPS & SALADS (REQ MC)	12 40 12	9 29 9
	** DESK TOP COMPUTER SOFTWARE			`			** VISICORP PERSONAL SOFTWARE		
E 7181	GRAPH N CALC	199	140			E 7861	VISICALC ENHANCED	250	192
	** KENSINGTON MICROWARE	•					APPLE TIE SOFTWARE ENDS		
E 7370	FORMAT II (ENHANCED)	150	115						
W _w	** LIGHTNING SOFTWARE								
E 7387	MASTERTYPE	40	32				## ## ## ## ## ## ## ## ## ## ## ## ##		
	+* MUSE SOFTWARE,	•	2 8			76-492 <u>-78</u> -601 7000 0000			
	KNOW YOUR APPLE IIE	25 99	20 78			SOF	TWARE-APP		
E 7471 E 7472	SUPER/TEXT PRO		11.5			C MMED D	TTEM		
	** PERFECT SOFTWARE  *** ALL REQUIRE CP/M & BOCOL					C NMBR P	ITEM	LIST	
E 3598 E 3597 E 3600 E 3596 E 3595	** PERFECT SOFTWARE	295 595 750 295 495 695	126 254 313 126 212				** APPLE III SOFTWARE BEGINS  ** ADVANCED SOFTWARE TECHNOLOGY		
E 7472 E 3598 E 3597	** PERFECT SOFTWARE  *** ALL REQUIRE CP/M & BOCOL  PERFECT CALC  PERFECT FILER  PERFECT FILER & CALC  PERFECT SPELLER  PERFECT WRITER  PERFECT WRITER & SPELLER	- 295 595 750 295 495	126 254 313 126 212			C NMBR P	** APPLE III SOFTWARE BEGINS		
E 3598 E 3597 E 3600 E 3596 E 3595 E 3599	** PERFECT SOFTWARE  *** ALL REQUIRE CP/M & BOCOL  PERFECT CALC  PERFECT FILER  PERFECT FILER & CALC  PERFECT SPELLER  PERFECT WRITER  PERFECT WRITER & SPELLER  ** QUARK	- 295 595 750 295 495 695	126 254 313 126 212 290				** APPLE III SOFTWARE BEGINS  ** ADVANCED SOFTWARE TECHNOLOGY		
E 3598 E 3597 E 3600 E 3596 E 3595	** PERFECT SOFTWARE  *** ALL REQUIRE CP/M & BOCOL  PERFECT CALC  PERFECT FILER  PERFECT FILER & CALC  PERFECT SPELLER  PERFECT WRITER  PERFECT WRITER & SPELLER  ** QUARK  LEXICHECK IIE (REQ WD JUG)  WORD JUGGLER IIE	- 295 595 750 295 495	126 254 313 126 212 290				** APPLE III SOFTWARE BEGINS  ** ADVANCED SOFTWARE TECHNOLOGY  OUICK & EASY DATA MASTER		59 173
E 7472 E 3598 E 3596 E 3595 E 3599 E 7596 E 7595	** PERFECT SOFTWARE  *** ALL REQUIRE CP/M & BOCOL  PERFECT CALC PERFECT FILER PERFECT FILER & CALC PERFECT SPELLER PERFECT WRITER PERFECT WRITER & SPELLER  ** QUARK  LEXICHECK IIE (REQ WD JUG) WORD JUGGLER IIE  ** QUINSEPT	- 295 595 750 295 495 695	126 254 313 126 212 290			3 6975 3 6985 3 6984	** APPLE III SOFTWARE BEGINS  ** ADVANCED SOFTWARE TECHNOLOGY  OUICK & EASY DATA MASTER  ** APPLIED SOFTWARE TECHNOLOGY  PASCAL PROGRAMMER VERSAFORM VERSAFORM—HARD DISK VERSION	70 245 495	59 173 340
E 7472 E 3598 E 3597 E 3600 E 3596 E 3595 E 3599	** PERFECT SOFTWARE  *** ALL REQUIRE CP/M & BOCOL  PERFECT CALC  PERFECT FILER  PERFECT FILER & CALC  PERFECT SPELLER  PERFECT WRITER  PERFECT WRITER & SPELLER  ** QUARK  LEXICHECK IIE (REQ WD JUG)  WORD JUGGLER IIE	- 295 595 750 295 495 695	126 254 313 126 212 290			3 6975 3 6985 3 6984	** APPLE III SOFTWARE BEGINS  ** ADVANCED SOFTWARE TECHNOLOGY  OUICK & EASY DATA MASTER  ** APPLIED SOFTWARE TECHNOLOGY  PASCAL PROGRAMMER VERSAFORM	70 245 495 495	59 173 340
E 7472 E 3598 E 3596 E 3595 E 3599 E 7596 E 7595	** PERFECT SOFTWARE  *** ALL REQUIRE CP/M & BOCOL  PERFECT CALC PERFECT FILER PERFECT FILER & CALC PERFECT SPELLER PERFECT WRITER PERFECT WRITER & SPELLER  ** QUARK  LEXICHECK IIE (REQ WD JUG) WORD JUGGLER IIE  ** QUINSEPT	- 295 595 750 295 495 695	126 254 313 126 212 290			3 6975 3 6985 3 6984 3 6986	** APPLE III SOFTWARE BEGINS  ** ADVANCED SOFTWARE TECHNOLOGY  OUICK & EASY DATA MASTER  ** APPLIED SOFTWARE TECHNOLOGY  PASCAL PROGRAMMER VERSAFORM VERSAFORM VERSAFORM—HARD DISK VERSION  ** ASHTON—TATE	70 245 495 495	59 173 340 340
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E 7472  E 3598 E 3596 E 3599  E 7596 E 7595 E 7606	** PERFECT SOFTWARE  *** ALL REQUIRE CP/M & BOCOL  PERFECT CALC PERFECT FILER PERFECT FILER & CALC PERFECT SPELLER PERFECT WRITER PERFECT WRITER & SPELLER  ** QUARK  LEXICHECK IIE (RED WD JUG) WORD JUBGLER IIE  ** QUINSEPT  FAMILY ROOTS  ** SOFTWARE DIMENSIONS  AP SUPER E-ACCOUNTS PAYABLE	- 295 595 750 295 495 - 129 239 - 185	126 254 313 126 212 290 115 213			3 6975 3 6985 3 6984 3 6986	** APPLE III SOFTWARE BEGINS  ** ADVANCED SOFTWARE TECHNOLOGY  OUICK & EASY DATA MASTER  ** APPLIED SOFTWARE TECHNOLOGY  PASCAL PROGRAMMER VERSAFORM VERSAFORM VERSAFORM—HARD DISK VERSIBN  ** ASHTON—TATE  DBASE 11	70 245 495 495	59 173 340 340
E 7472  E 3598 E 3597 E 3596 E 3599  E 7595 E 7673 E 7675 E 7675 E 7676	** PERFECT SOFTWARE  *** ALL REQUIRE CP/M & BOCOL  PERFECT CALC PERFECT FILER PERFECT FILER & CALC PERFECT SPELLER PERFECT WRITER PERFECT WRITER & SPELLER  ** QUARK  LEXICHECK IIE (REQ WD JUG) WORD JUGGLER IIE  ** QUINSEPT  FAMILY ROOTS  AP SUPER E-ACCOUNTS PAYABLE AP SUPER E-GENERAL LEDGER AP SUPER E-INVENTORY	- 295 595 750 295 495 495 - 129 239 - 185 - 350 350 350	126 254 313 126 212 290 115 213			3 6985 3 6984 3 6986 3 6986	** APPLE III SOFTWARE BEGINS  ** ADVANCED SOFTWARE TECHNOLOGY  OUICK & EASY DATA MASTER  ** APPLIED SOFTWARE TECHNOLOGY  PASCAL PROGRAMMER VERSAFORM VERSAFORM VERSAFORM—HARD DISK VERSION  ** ASHTON—TATE  DBASE II  ** BEAMAN PORTER	70 245 495 495	59 173 340 340
E 7472  E 3597  E 3597  E 3596  E 7595  E 7673  E 7674  E 7675  E 7677	** PERFECT SOFTWARE  *** ALL REQUIRE CP/M & BOCOL  PERFECT CALC PERFECT FILER PERFECT FILER & CALC PERFECT SPELLER PERFECT WRITER PERFECT WRITER & SPELLER  ** QUARK  LEXICHECK IIE (REQ WD JUG) WORD JUGGLER IIE  ** QUINSEPT  FAMILY ROOTS  AP SUPER E-ACCOUNTS PAYABLE AP SUPER E-ACCOUNTS RECEIVABLE AP SUPER E-GENERAL LEDGER AP SUPER E-INVENTORY AP SUPER E-PAYROLL  ** SOFTWARE PUBLISHING	- 295 595 750 295 495 495 - 129 239 - 185 - 350 450 450	126 254 313 126 212 290 115 213			3 6975 3 6985 3 6984 3 6986 3 7032 3 7063 3 7064	** APPLE III SOFTWARE BEGINS  ** ADVANCED SOFTWARE TECHNOLOGY  OUICK & EASY DATA MASTER  ** APPLIED SOFTWARE TECHNOLOGY  PASCAL PROGRAMMER  VERSAFORM  VERSAFORM—HARD DISK VERSIBN  ** ASHTON—TATE  DBASE II  ** BEAMAN PORTER  POWERTEXT (REQ PASCAL)  ** CMA MICRO COMPUTER  DENTAL OFFICE MANAGEMENT III	70 245 495 495 199	59 173 340 340 153
E 7472  E 3598 E 3597 E 3596 E 7595  E 7673 E 7675 E 7675 E 7675 E 7695	** PERFECT SOFTWARE  *** ALL REQUIRE CP/M & BOCOL  PERFECT CALC PERFECT FILER PERFECT FILER & CALC PERFECT SPELLER PERFECT WRITER & SPELLER  ** QUARK  LEXICHECK IIE (REQ WD JUG) WORD JUGGLER IIE  ** QUINSEPT  FAMILY ROOTS  ** SOFTWARE DIMENSIONS  AP SUPER E-ACCOUNTS PAYABLE AP SUPER E-ACCOUNTS RECEIVABLE AP SUPER E-GENERAL LEDGER AP SUPER E-INVENTORY AP SUPER E-PAYROLL  ** SOFTWARE PUBLISHING  PFS:FILING SYSTEM PFS:GRAPH	- 295 595 750 295 495 495 - 129 239 - 185 - 350 450 350 450	126 254 313 126 212 290 115 213 155 224 281 224 281 224 281			3 6975 3 6985 3 6984 3 6986 3 7063 3 7064 3 7065 3 7065 3 7066	** APPLE III SOFTWARE BEGINS  ** ADVANCED SOFTWARE TECHNOLOGY  OUICK & EASY DATA MASTER  ** APPLIED SOFTWARE TECHNOLOGY  PASCAL PROGRAMMER  VERSAFORM  VERSAFORM—HARD DISK VERSION  ** ASHTON—TATE  DBASE II  ** BEAMAN PORTER  POWERTEXT (REQ PASCAL)  ** CMA MICRO COMPUTER  DENTAL OFFICE MANAGEMENT III DENTAL OFFICE MANAGEMENT IIII DENTAL OFFICE MANAGEMENT IIII DENTAL OFFICE MANAGEMENT IIII DENTAL OFFICE MANAGEMENT IIII DOCUWRITER TEXT PROCESSOR	70 245 495 495 1696 1696 250	59 173 340 340 1235 1211 224
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### SOFTWARE-APPLE III

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125	** DENVER SOFTWARE				500000	** MICRO LAB		a: ,
		050			3 7414	DATA MANAGER	500	375
3 7173 3 7174	EASY UPSRADE TO HARD DISK	250	176		3 7416	DHIN GHRHOEK	300	375
3 7163 3 7168	EASY-EFFECTIVE ACCTG SYS (128K) EASY-EFFECTIVE ACCTG SYS (HD)	750 1000	510 679			** MIND SYSTEMS		
3 7164 3 7175	EASY-EFFECTIVE ACCTS SYS *DEMO FINANCIAL PARTNER TO EASY		97 183		3 7465	TRANSFER III	60	48
3 7171	ROSE (128K)	350	247		3 /403	, manufactural and the second	50	
3 7165	SERVICE MANAGER (128K)	1900	1244			** QUARK	÷.	
89	** DESIGN TRENDS				3 7603	CATALYST-HARD DISK BOOT	149	131
3 7176	SOFTAX (REQ VISICALC)	395	\$2		3 7602	DISCOURSE-SOFTWARE SPOOLER	125 85	109 78
3 7175	SUPTRA TREE VISIONES	373		00	3 7599 3 7598	LEGAL DICTIONARY (RED ND JUS) LEXICHECK (REQ ND JUS)	149	131
	** EXECUWARE		63		3 7604 3 7600	MAIL LIST MANAGER INTERFACE TERMINUS (REQ WD JUG)	35 89	81 33
3 7244	E.D.Q.	175	136		3 7601 3 7597	TYPEFACE (REQ WD JUG) WORD JUGGLER	175 295	154 256
3 7241	FINANCIAL ANALYSIS	93	73		0 7017	WOND GOODEEN	27.0	200
3 7243 3 7242	KNOW YOUR CLIENT REAL ESTATE ANALYSIS	125 275	9B 213			** REVEAL SOFTWARE	1	
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	** GREAT PLAINS SOFTWARE		***	K		The state of the s		
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3 7271 3 7270	GPS ACCOUNTS PAYABLE GPS ACCOUNTS RECEIVABLE		353 353		3 7653	STOCK PORTFOLIO	185	142
3 7269 3 7273	GPS GENERAL LEDGER GPS INVENTORY W/PDINT OF SALE	495 595	353 424		24			
3 7272	GPS PAYROLL	495	353			** SOFTWARE PUBLISHING		
3 7274	GPS-COMPLETE SYSTEM	2575	1625		3 7690	PFS:FILING SYSTEM	175	123
	** HIGH TECHNOLOGY		75.		3 7692 3 7691	PFS:GRAPH PFS:REPORT	175 125	123 89
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3 7305 3 7306	JOB CONTROL SYSTEM-100 JOBS JOB CONTROL SYSTEM-400 JOBS			52 25	.,	** SOFTWARE RESOURCES		
3 7307	JOB CONTROL SYSTEM-800 JOBS				3 7706	OPTION ANALYSIS SYSTEM-O.A.SYS	395	
	** IDEAL SYSTEMS	73			3 7705	SMART (MM11/SM300/1200)	1950	
		ne	78					
3 731B 3 7317	INTROSTAT 2.2-COPY PROTECTED INTROSTAT 2.2-UNPROTECTED		78 112			** SOLID SOFTWARE		
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3 7358	ALD SYSTEM III	75			3 7709	SALES ENTRY ORDER W/AR & INV	1495	915
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3 7393	DATAFAX III	240	192		3 7717	VIS/BRIDGE/SORT (VISICALC)	89	B1
3 7390	LINK INDEX III	195	150					
3 7392 3 7391	LINK SAMPLER III LINK VIDED III	60 55	48 44	8		** STONEWARE	10	100
	Y.				3 7752 3 7753	HOW TO RUN YOUR APPLE-BETAMAX HOW TO RUN YOUR APPLE-VHS	120 120	75 33
	U. MTRAK BAM			£	3 1133	HOW TO NOW TORN MERLE TAND	120	/8
	** MICRO COM	÷	*			** SUNRISE SOFTWARE		
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	** MICRO INFORMATION SYSTEMS					** SYNERSISTIC SOFTWARE		
3 7407	ESQ-1 (CP/M 2.38)	2000	1190		3 7784	WORD WEAVER	- 100	79
3 7406 3 7408			1190 1190		1000 1000 1000 1000 1000 1000 1000 100		1700 TATE	10 TO
3 7410	SCHEDULER (CP/M 2.38)	995	611		-	** VISICORP PERSONAL SOFTWARE	8 2	
3 7409	TAXEXEC (CP/M 2.38)	995	611		3 7857	BUSINESS FORECASTING (REQ VCA)	100	84
					3 7858 3 7859	DESKTOP PLAN III VISICALC ADVANCED	300 400	250 310
×		50			3 7860	VISISCHEDULE	300	
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#### WHAT YOU NEED TO KNOW ABOUT

The value of a specific feature depends on what sort of work you want your computer to perform.

Hopefully, we can help you determine which imputations are necessary and which features will be beneficial for your own personal computer application.

are comprised of Compúters electronic circuits miniaturized by storing and that operate transmitting electrical signals. capable of taking They are information in, storing it, retrieving it, and manipulating it. For example, a computer can search an inventory list of hundreds of thousands of garments and determine how many are red, size 10, and made of cotton.

As you probably already know, before the computer can do its job, it needs to be loaded with a program. Programs, also called software, are very detailed

#### PERSONAL COMPUTERS

instructions that tell the computer what to do. The computer and software together make one unit that is capable of doing a particular job. Some computers are dedicated to a single job. These dedicated computers, like the ones in aircraft autopilots, always use the same program. Other computers can be used for many different tasks. By simply changing the program, the computer is prepared to do a different job. Personal computers are a good example of these multiple-use computers.

The computer is made of several major parts that work together to manipulate and move information. It has a keyboard - very similar to a typewriter's - that allows you to enter information. There is a video screen that can display letters and numbers in the form of a typed page or graphic images and pictures. The computer also includes disk drives - equipment to "play" magnetic disks that store

information in a form the computer can find quickly. Some personal computers use cassette tapes as their storage medium. Tape storage is slow and cumbersome for daily work, but it may be acceptable for some situations.

The computer has a processor, which stores information electrically in circuits called main (or primary) memory. Main memory holds the program that tells the computer what to do and holds the data that the computer is using.

You communicate with your personal computer primarily through the keyboard. Personal computers let you use easy to understand command languages or menus.

You can tell the computer what you want it to do by selecting from a menu — a list of choices displayed on the screen. For instance, the menu might give you these choices:

Continued on Page 123.

Continued from Page 122.

Ideally, your personal computer will have many different menus that list all the possible commands you need. You should also be able to go from one menu to another easily. The real advantage of a menu-driven system is that you don't need to pemorize any of the commands that you your personal computer.

You can also communicate with the computer by loading a program disk into the disk drive. A program disk contains thousands of instructions that tell the computer how to do the particular job. It also contains the instructions that will display the menus of choices that let you direct the program.

Your disks can also store information or data. Your correspondence might be on one disk, the information for your forecasting spreadsheets on another, and your inventory records on a third.

The computer will communicate with you primarily through the video screen. This is where it prompts you for commands or displays menus which you use to control the program.

Personal computers usually give you messages on the screen when the program doesn't understand what it is supposed to do. Sometimes you need to retype a command or check the disk drives to make sure that the correct disk is inside.

It is also possible to send the information to another computer. If the computer is in the same building, the information can be sent directly over a communications line. But if the other computer isn't in the same building, you will usually be communicating through telephone lines using a modem (which stands for modulate/demodulate). The modem

translates the signals from the computer into high-frequency communications signals. These high-frequency signals can then be sent over telephone lines to another modem at the receiving end that translates them back to computer signals. Some modems plug directly into the telephone line and others use an acoustic coupler - a piece of equipment that accepts a standard telephone receiver. This is a convenient and inexpensive way to connect your personal computer to larger computer systems.

The information your computer uses is stored on magnetic disks. Disk storage is much more permanent than the information in main memory because it doesn't require electrical current to maintain it.

Disks for computers come in three

general types: diskettes (also called "floppies"), hard disks, and Winchester disks. Diskettes work very well with personal computers because they are inexpensive and small enough to be stored and transported easily. Hard disks information than more and they are also diskettes removable. But most hard disks or disk, packs are too large and expensive for use on personal The most advanced form computers. information storage is disk Winchester technology. disks are permanently Winchester installed, hold much more than diskettes, and information they can access the information Winchester disks are faster. available on some personal A most frequent computers. question asked is, can you really trust your personal computer to important business store your information? The answer is yes. few precautions you With a shouldn't have any trouble keeping your vital business records on your personal computer.

Although disks will faithfully store information for years, making a copy of important disks and storing them in a safe place is the easiest way to protect information.

The computer sees information in a very different way than we do. Its circuits are designed to monitor electrical signals. Two states - electrical signals and no electrical signals - are the basis of what information looks like to a computer.

Each line can be either on or off—
signals or no signals. The two
states are usually represented with
1 and 0. This method of passing
along information is called a
binary (two-state) system. Codes
using 1's and 0's have been
developed to represent all of the
information that the computer is
working with. Each 1 or 0 in the
code is a bit, which stands for
binary digit. It takes 1 byte (8
bits) of disk space or main memory
to store on letter or symbol.

A typewritten page holds 250 words (1,500 characters and spaces). It would take 1,500 bytes (12,000 bits) of computer space to store a page.

In most computers eight bits are equal to one byte. The size of main memory and the amount of magnetic storage on a disk are usually measured in bytes — the number of characters that can be stored there.

Personal computers are often categorized by the length of their instructions. These are typically either eight bits, twelve bits, or sixteen bits long. The individual instructions in a 12-bit or 16-bit computer can do a lot more work than the instructions in an 8-bit computer.

Continued on Page 124.

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\$25.00 35.00

All of the information the tomputer has to go through the main The memory has to hold meadry. at once - some three essential operating system instructions, a program, and the information the program is using. well-designed personal computer an optimum balance between memory and software.

elements - the these operating program and system, have to work together information within the memory.

Memory size is usually measured in The main memory on Kbytes. personal computers typically runs between 8 Kbytes and 256 Kbytes.

The other important way that you information from your personal from a computer computers printer. Personal normally with character opposed to line printers, printers.

printers come in two formed character general types Most character and dot-matrix. the same impact use technique as a regular printing typewriter - an inked ribbon is pressed against a piece of paper to make a mark.

A formed character printer can give you a printed copy that looks just like a typewriter original. It font for each like a regular character typewriter.

With a dot-matrix printer, a set of wires in the printhead strikes the printer ribbon to form a character. Therefore, each character is composed of tiny dots. While the dot-matrix will not produce copy that is as sharp as a formed character printer, they are less expensive, print fast and offer a wide selection of print styles.

A computer needs to be told how to respond to any given input. This what a program does. through computer instructions in the program one step at a time from the beginning of the program to the end. It can do this so rapidly it appears to be intelligent, capable of processing hundreds of thousands of instructions per second.

The key to a personal computer's is the software (the usefulness programs) you have to run on the If the computer's computer. size, and instructions, space allow for it, a can create software that will do a great deal of work and be very easy to use. By following the choices and the computer messages you should be able to sit at the computer and almost immediately begin to do productive

There are times when you might want to create a program to do some specialized work with your personal computer. You can create a program by writing all of the instructions that will tell the computer what to do with each piece of information it will encounter while doing the These instructions are written in a programming language. popular language for personal computers is BASIC. BASIC English-like simple instructions that make it one of the easiest programming languages to learn.

the program tells the how to do a particular are instructions that basic than the program These instructions also itself. reside in main memory and tell the computer how to do the steps that requires. the program known as instructions, control the operating system, resources of the computer.

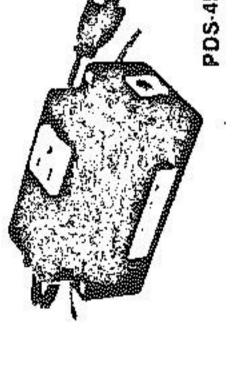
The operating system requires only a minimum amount of main memory, so the rest can be devoted to the program and the data.

buy a computer for are just beginning a business, dealing with It is very important information. you select has allow you to features other computers communicate you easily upgrade your and let You should be able to add storage capacity to your personal computer when you need it. This could be provided by another diskette drive or a Winchester hard disk.

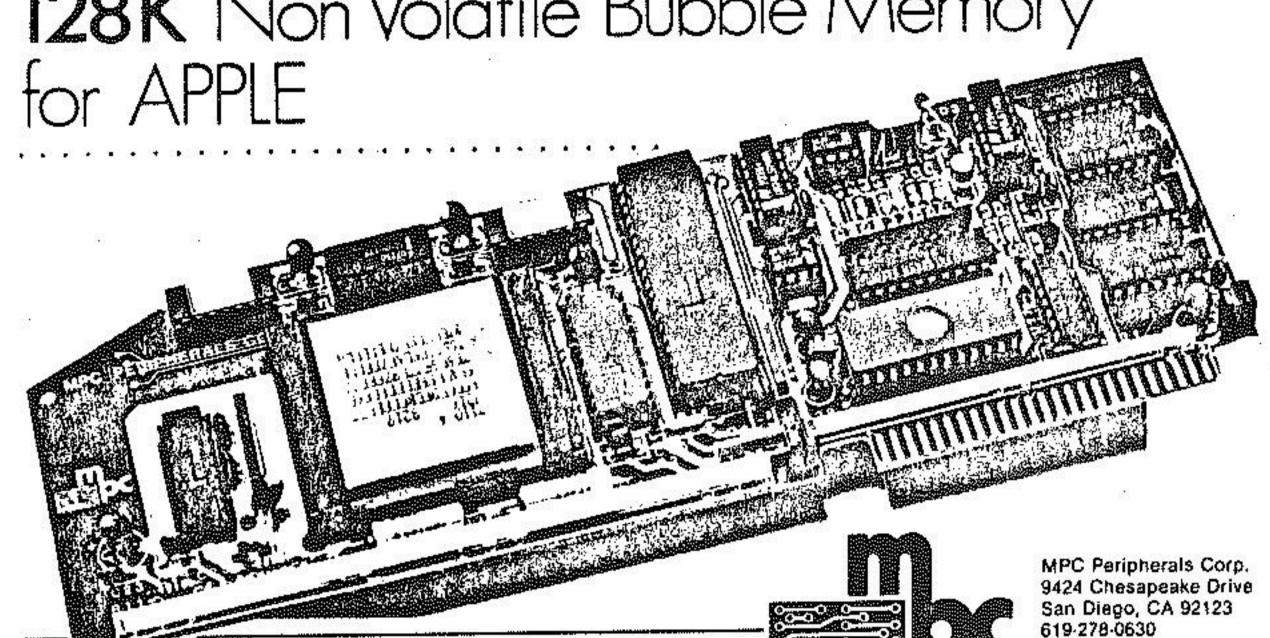
The final selection feature you need to consider - and possibly the most important - is the software that will work on the computer. personal computer be able to run a wide range Some personal computers are flexible enough to the services that often require a second or third computer. are usually a services function of their being able to run terminal emulation sophisticated and communications software.

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	1	- Available with AC Fower Line protection options	1
3570	PDS-11	standard 2 wire phone line; Phone Lines 3 & 4 — Guarded — 180 volt clamp;	
		Auxiliary Lines 2 & 5—straight through	38
3571	POS-13MI	ıxi≌ary	5.5
3572	PDS-14	led 180 volt clamp;	5.5
3573	POS-13M( )		38
3574		3 line	46
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25	8 pin modula Auxiliary Line	8 pin modular jacks normally use 4 & 5 (red and green) as phone lines; Auxiliary Lines 1, 2, 3, 6, 7 & 8 may be used for a variety of purposes including additional	
n'	phone lines. ( 4 pin plug will	phone lines. (4 pin modular plugs will fit into the 8 pin modular socket. Phone lines 3 & 4 of 4 pin plug will pick up phone lines 4 & 5 of 8 pin modular socket, for through phone service)	
1	1. Unless oth	Unless otherwise specified:  Prone lines, designated with "P" following line numbers, are clamped at 180 volts	
Ē	Auxiliar	<ul> <li>Auxiliary lines, designated with "A" following the fine numbers, are clamped at 30 volts.</li> </ul>	
200	2. Special c POS-45P-1	Special clamp voltage requirements designated by line numbers & "SO-( )" ie.; POS-45P-12 SO(20) - lines 1 & 2, 20 volt clamp.	
	3. All unguar	3. All unguarded lines are connected straight through.	
3	PRICING: P	<b>PRICING:</b> Prices for the PDS-45( ) series are based on number of guarded lines required. Consult your equipment Owner's Manual or the manufacturer.	
Ď	populario socia	2 4 5 B	
3576-2	Price	48 56 64 73 80 8	
3578-4	Examples: PDS	Examples: PDS-45P-367A: 4 & 5—phone—180 volt clamp; 3, <b>6 &amp;</b> 7—auxiliary—30 volt clamp: 1, 6, 8, 7—auxiliary—30 volt clamp: 1, 2, 8, 8 straight through 5 Guarded lines	64
3579-5	POS	PDS-45P-367A-12(SO-20):4, 5-phone - 180V clamp, 3, 6, 7 - Aux-30V clamp,	
3580-6	1,2	1,2 - Special Order - 20V clamp; 8 straight through; 7 guarded lines \$123.95	80
3581-7	Commonly used models:		
3387-0	Model Number	Phone (180V) Auxiliary (30V)	5
	POS-45P-36A	4 & 3	1







#### Specifications:

- 128K non volatile memory
- Portable
- Solid state Bubble Memory
- No moving parts
- Quiet
- Not affected by heat, dust, grease, grit
- Immune to pollution and vibration
- Can replace floppy disk
- Slot independent
- Individually pre-tested Three times faster than standard floppy

#### TWO YEAR "NO HASSLE" WARRANTY

#### **Product Description:**

The Apple Bubble Memory Module is 128K bytes of non-volatile memory and is ideal for use as a fast disk. In addition to the time savings gained by utilizing the bubble, it also increases data storage reliability. The "stand-alone" capabilities provided by the on-board boot prom provide the Apple user with non-volatile mass memory that is more rugged than a floppy and is completely portable. The bubble Memory Module is a MUST for those who need highly reliable mass memory in a hostile

TWX 910-335-1177

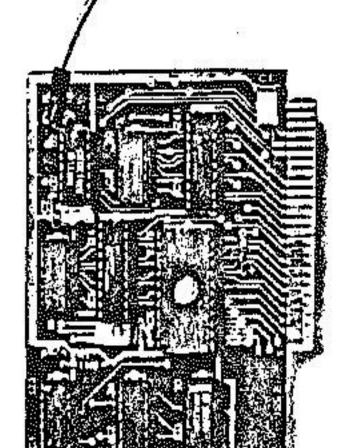
The module comes complete with disk-emulation software for DOS 3.3 and patches are available for

As with all MPC products, the BUBDISK BUBBLE MEMORY MODULE is covered under our TWO YEAR "NO HASSLE" WARRANTY. If this product should fail for any reason during the warranty period, return it to MPC for replacement, no questions asked.

### MAKES BACK-UP COPIES OF PROTECTED SOFTWARE QUICKLY, EASILY, WITH JUST A PUSH OF A BUTTON.

New software locking schemes have rendered even the latest generation of copy programs virtually unusable. Locksmith™, Nibbles Away™ and other "Nibble copiers" require complicated parameter settings, much patience and great effort to use. More often than not, the results are disappointing. WILD-CARD is different. Rather than copying disks track by track, WILDCARD ignores the disk and any copy protection encrypted on it. Instead, WILDCARD takes a snapshot of memory in your Apple® 11.

Now you can make back-up copies of protected software with the push of a button.



#### **Features**

- Hardware copying device...push button operation.
- Copies ALL* memory resident software, 48K or 64K.
- No Parameters are necessary.
- WILDCARD lives in any slot.
- WILDCARD is undetectable by software.
- Produces autobooting disk in 2 minutes.
- Copies become accessible for alterations.
- Utility software is included.

System requirements: Apple II with 64K.

Wildcard does not operate with CP/M® or other microprocessor based software.

\$129.95 direct from East Side Software Co., 344 E. 63 St., Suite 14-A, New York City 10021, 212/355-2860.

IMPORTANT NOTICE: The WILDCARD is offered for the purpose of enabling you to make archival copies only. Under the Copyright Law you, as the owner of copy of a computer program, are entitled to make a new copy for archival purposes only and the WILDCARD will enable you to do so. The WILDCARD is offered for no other purpose and you are not permitted to utilize it for any other use, other than that specified.

#### 

HOW TO EXCHANGE PROGRAMS would be best (but is not required) that you send 3A a hard copy list by volume number of the have to titles you program including their sector exchange, before you send your lengths, Then we can indicate which programs/volumes we would like to In this way, you avoid exchange. possible disappointment! This does not mean you have to use lots of your time editing and copying to special exchange disks. It means you will know BEFORE you send your how much exchange credit you can expect. If you send your disks first, you risk we may say we already have the programs you sent not give you the exchange credit you expected and thus feel We will not cheat you, but it's best to feel secure.

SELL PUBLIC DOMAIN PROGRAMS The subject has been raised and needs to be clarified. 3A doesn't SELL public domain programs. We charge a fee to COFY public domain programs for you from our library. We know detractors will scoff and "Nuts, they're selling the stuff", but by definition, when a program is declared PUBLIC DOMAIN that means anyone is free to sell it, recode it, praise it, condemn it, rename it, revise it, destroy it, learn from it, enjoy it, copy others, in short, do any thing they want with it. So, charge a COPY FEE for the and we charge for the service And so do several other disks. have adopted our groups. But, however anyone uses library. a public domain program they should insure the original authors' name address, comments and so on remain intact within the program!

Continued on page 127.

PUBLIC DOMAIN SOFTWARE PRICES ARE ON PAGE 128. ROPYRIGHTED (C)

the abbreviation (C) after a public domain program title indicates it contains a copyright statement AND contributed to the public domain by its author.

NTHER APPLE LANGUAGES

forth is another language among our Apples can handle. eeveral We've been asked to ask you to contribute programs in and to be sure to ]anguage, indicate which version. So, let's hear from you.

EPSON HIRES DUMP

Utility Volume 228, from Epson, HAD a glitch! When asked to print a it picture performs perfectly, albeit the picture is on When asked to print a its side. LARGE picture, the printer starts and continues to print for 5 to 7 passes across the page, then begins to FORM FEED. A revised version has been received. If you wish, return your copy of 228 and we will recopy it for you,

NO MORE 13 SECTOR/DOS 3.2 When you order copies of public domain programs we copy in DOS 3.3/16 Sector. There have been no requests for copies in DOS 3.2/13 Sector- for a long time now, thus we have rubbed 'ea out.

NEW PUBLIC DOMAIN VOLUMES ART AND GRAPHIC OIB is a demonstration group of graphics programs from Vagabondo Enterprises called FIRE ORGAN (C). Fire Organ is abstract entertainment graphics Trequiring a color Monitor/TV) and ' favors Strongly musical accompaniment and subdued lighting. The VISUAL graphic "scores" were Composed by 3 independent graphic using CEEMAC, a visual artists composition language by Vagabondo. Every key on Apple produces new and marvellous color graphics.

Documentation can be read trom files on this disk. This is a superb group of programs.

JA APPLE TUTOR 002 is an Applesoft instructional It is menu driven and an Ireland. excellent way to learn Applesoft BASIC.

COURSE THERE ARE SEVERAL new volumes and many more to

FUBLIC DOMAIN TITLE INDEX A catalog of the entire public domain library BY PROGRAM TITLE is available on It is disk. essentially the same listing as in this catalog. It is renamed AAA Title Library 250--formerly Library 007. This Binary program will load your library by reading each disk catalog, save the data to a data program/disk, sort the program titles in alpha sequence, or sort by type (A, I, B, T), or by volume number, save them as sorted or not, then display them on the screen, or print them if you have a printer. It's fast. The catalog program does an extraordinary job! It is also available on a Utility volume, without the Text Files containing the 3A library titles. File Disk Catalog is documented by John Backman, Seattle, WA and his excellent "how to" instructions are included on the disk, but to read the instructions you must have a printer.

GOOD PROGRAM, WRONG DOS The following program works well in " 3,2, but 3.3.... "Random Drill Tutorial" on Tutor 000. No one has yet revised it to work in DOS 3.3. doubt other good 13 Sector

programs that were muffined to 16 Sector will not work under DOS 3.3. We need your help to identify these Perhaps a programmer in the group will update the best of them to work in 3.3. In any case, you know you can them back to DOS puffin/miffum 3.2.1 and use them. Right?

INTEGER/APPLESOFT BASIC An Integer BASIC is available for you folks that have an Apple II Plus with only AppleSoft BASIC in ROM and can't yet afford the Apple Integer ROM card or a 16K RAM Card (Apple Language card). Likewise, if you have an Apple II with only Integer BASIC in ROM, an AppleSoft is available. Look for "BASIC-Integer" or BASIC-AppleSoft" 3A Tutor and Utility (BRUN the BASIC-Integer volumes. These RAM languages are program.) a fine temporary alternative until the day you buy a 16K RAM card.

#### DOS IS COPYRIGHTED

Davong for you for only \$40.

know or even think about The DOS or Apple DISK SYSTEM comprising the OPERATING first 3 outside tracks on each disk is copyrighted by Apple Computer So is the CP/M operating system by Digital Research, Inc.

Right now Ja has a 16K RAM Card by

#### FORMAT YOUR DISKS?

No need to INITialize any of your disks when you order public domain volumes and send your own disks. Note--we do not copy on the reverse side anymore.

#### LABEL YOUR DISKS

If you send your disks, please each with the 3A Volume Number and Title you want copied on That helping hand will speed up delivery back to you and prevent confusion intepreting your order.

LOAD, LIST AND LEARN Very often it pays in learning to LOAD, then LIST a program and read the REMarks. This is particularly true when you RUN a program and nothing seems to happen.  $\square$ 

Continued on page 128.

1 to 7 are \$3 each. 10 to 99 are \$2.55 each. 100 or more are \$2.50 each.

Deduct 5% when you order 50 or more public domain volumes at one time, (whether copied on 3A Media disks or on any other brand of disks). This discount is in addition to our Fall Sale discount.

Add \$1 per disk volume when copied on any other brand of disks (or on your disks). 3A Media disks are excellent quality generic brand \$5 SD disks with Hub Rings and envelopes.

Add \$2 packing and handling per order. All orders must be prepaid in USA\$ dollars! Read our shipping instructions.

We no longer copy on the reverse side of disks only because it's too much hassle. The Mixed Series has been discontinued, and volumes are no longer available in Apple DOS 3.2.

OR FOR FREE, LET'S EXCHANGE a disk full of your programs that are not in our catalog for a disk of our programs. Your EXCHANGE programs may be long or short, modified or original; in Integer and Applesoft BASIC, Pascal, Pilot, FORTH, LISA, Microsoft BASIC, and so on, DOS 3.3, CP/M or Pascal!

Free exchanges and contributions have helped the 3A library grow. Order and exchange as many public domain volumes at one time as you wish.

Continued from page 127.

We will not knowingly list a program in our public domain library that's protected by copyright. Programs with a (C) after the title indicate a known copyrighted program that has been domated to the public domain.

If you send YOUR disks for us to copy onto and expect your packing materials returned (such as disk envelopes, foam blocks, plastic library cases, padded envelopes and so on), please enclose return shipping equal to what you paid, else we will re-pack to reduce our expense and throw out your packing materials if they are too heavy!

If it happens that a program on a public domain disk volume we copied for you is "missing;" that is, the title appears in the disk catalog but when you RUN it nothing happens and when you LOAD it nothing is there, OR if a program is "bombed" in its middle; that is, the statement lines are not in numerical sequence; hence, the program quits after it has begun, or may not RUN at all, then....

Write down the title of the bad orogram and return your disk and we will recopy it for you free! This offer applies to any public domain program you find that is bombed or seems to be, ANYTIME, regardless whether the fault seems to be the disk, your Apple, 3A or your electric company. In doing the above you help to upgrade the quality of the programs in both our libraries.

Public Domain software volumes may NOT be returned for refund or exchange; however, they will be recopied if they are faulty, or replaced if the disk is bad on either side).

MANY THANKS

It's my turn to say, "Keep up the good work," and thank you for telling us about programs that don't work, and those that are copyrighted or duplicates. Without your help we might never discover them.

WHO CONTRIBUTES PROGRAMS?
Apple User Groups, college students
and YOU, Apple owners from round
the world. Your generosity is
boundless.

PROGRAM WON'T RUN

Almost every program in the catalog was coded on an Apple of different memory size and DOS version. Some were coded by amateurs who are learning to program. Some are experiments in futility. Some are great. Remember this when you find a program on a 3A volume that won't run, and don't lose your cool. We won't try to fool you and probably couldn't anyway. If you can't fix a program yet, then identify the "faulty" program (if it is), overlook it for awhile and when Apple learns how to work better, send 3A a copy of the revised program.

OTHER PRINTER PROGRAMS
There are other printers out there besides Epson. Surely many non-Epson printer driver routines are in use. Why not contribute yours to JA for others to share?

LOST THE MISSING LANGUAGE? Do you have a 16K RAM card (Apple Language Card) installed in your After booting and loading the missing BASIC, either AppleSoft or Integer, then booting another you lose the loaded do language? A modified DOS is now on all 3A disks that doesn't kill the loaded language! To transfer the modified DOS to your disks, boot a 3A disk, then INIT one of your blank disks and you will have transferred the modified DOS to the newly INITed disk. (Use Super Disk Copy by Sensible Software to make the task a breeze.)

### PERSONAL POMATN POETWARE

NEW MARKETING METHOD

DOMAIN Software is distributed just as Public Domain software. The disk and program are available at 3A's normal modest However, there is also a software price which you pay direct to the author--not JA, but only if you decide to use the program! If you only try it and decide not to use it, you don't pay the software price to the author. Instructions and address are found on each PERSONAL DOMAIN software/disk. At time there are 3 such programs available from 3A: 226 "Diversi-DOS", Utility 729 "One-Key DDS", and Art & Braphic 020 "Sparkee". Here is a brief description of each program.

procession of the process of the pro

operation to execute 11 DOS commands plus a quick loader DOS called Zippy. It is compatible with Apple Standard and Diversi-DOS and Apple IIe. Order UTILITY 229.

SPARKEE is the second visual album Vagabondo. The first is talled Fire Organ--Art & Graphic Both are written using the Language System--also Ceemac 3A. SPARKEE available from features works by the 3 artists responsible for Fire Organ, as well as works by four new Ceemac Order ART & GRAPHIC Composers. 020. 🗆

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570 570471500	CP/M EAMON ADVENTURE	E01-E42	P149
42		E60-E62	P149
క	EAMON TOURNAMENT	ED5	P149
1	EAMON DESIGNER	EU1-EU3	F149
3	EAMON UTILITY	EOY-EOO	, 177

There are 185 Public Domain Volumes as of Aug 1, 1983.

The Mixed Series and the DOS 3.2 Volumes have been discontinued.

TO RUN INTEGER BASIC programs, those preceded with the letter 'I' requires

an Apple II (Integer BASIC resident in RDM),

OR

an Apple II Plus with a 16K RAM Card,

OR

an Apple IIe/III.

TO RUN APPLESOFT BASIC programs, those preceeded with the letter

'A' requires

an Apple II with a 16K RAM Card,

OR

an Apple II Plus,

TH :

an Apple IIe/III.

TO RUN PASCAL programs requires an Apple II/II Plus with a 16K RAM Card and a set of Pascal Language disks. (An 80 Column Card is recommended.)

TO RUN CP/M disks requires an Apple II/II Plus with a CP/M (ZBO) Card. (In addition an BO Column Card and a 16K RAM Card are recommended.)

#### Apple Tutor 000

		Template and Template and Contract Cont
I	005	AAA MESSAGE
I	004	BASIC PROGRAMMING
I	036	BASIC PROGRAMMING 1
1	047	BASIC PROGRAMMING 2
Ţ	04B	BASIC PROGRAMMING 3
1	044	BASIC PROGRAMMING 4
A	004	BASIC-INTEGER
B	022	BASIC-INTEGER.X
I	019	CONVENTIONS
I	016	CPU 6502
I	002	HELLO SAMPLE
1	030	MICRO 6502 SIMULATION
Ţ	051	MINI ASSEMBLER TUTORIAL
Α	005	NAKED CITY (C)
Α	022	RANDOM DRILL TUTOR 3.2 BNLY
I	007	SWEET 16 DISASSEMBLER
Ţ	004	SWEET 16 SPEED ?
B	002	SWEET 16 SPEED.X
I	026	TOP DOWN PROGRAMMING

#### Apple Tutor 001

```
A 005 AAA MESSAGE
A 021 APPLE II DEMO
A 004 BASIC EXERCISE
I . 043 BASIC-APPLESOFT
A 002 BUZZ
I 093 DISK AIDE
I 038 DISK AIDE DOCUMENTATION
B 003 DISK AIDE.X
A 028 DOS SYSTEM INSTRUCTION
A 013 PILOT VERSION I
I 054 PROGRAM DEVELOPMENT PAC (C)
A 014 SUPPLEMENT MINI ASSEMBLER
B 006 SUPPLEMENT.X
I 003 TEXT FILE READ
1 003 TEXT FILE WRITE
I 009 TEXT HELLO
T 009 TEXT HOW TO
T 010 TEXT INTRO
T 006 TEXT PEEK POKE CALL
T 010 TEXT PROGRAMMING
T 007 TEXT REDBOOK
T 011 TEXT SOFTWARE
```

### Apple Tutor 002

```
A 005 AAA MESSAGE
A 002 APPLESOFT TUTORIAL (C)
*A 023 HELPHELP
*B 034 LOGO
*A 024 MENUMENU
*A 144 PT.1PT.1
*A 086 PT.2PT.2
*A 108 OREFOREF
*A 017 STRTSTRT
*A 002 HELLO
```

### Art & Graphic 008

I	005	AAA	MESSAGE	
1	009	ART	+ TONE	
I	014	ART	3D ROTATION	
I	004	ART	ACNE	
I	030	ART	ALPHABET 2	(4)
I	003	ART	BIT BIN 1	
1	008	ART	BIT BIN 2	
I	004	ART	COLOR EATER	
I	005	ART	CRAZY	
1	010	ART	CURVES	
I	009	ART	DEMO- 1	3
			-300	

#### I 004 ART KALEIDOSCOPE 1 I 021 ART LIFE ARENA I 004 ART LINES I 003 ART MAGIC QUILT I 002 ART MODERN LINES I 003 ART MOSIAC CROSS I 006 ART MUSIC CLOSE ENCOUNTER 1 009 ART NATE PRIDE 1 I 006 ART NUMBERS 006 ART PLAID LOOP

I 018 ART DRAW A FACE

I 008 ART EGG

→ I 002 ART EGG DDC

I 012 ART FACES

I 034 ART DRAW LETTERS

i	UVO	HILL	1 L	U 1	U 1	_ ~				
I	007	ART	PL	07	TI	٧G				
I	002	ART	RA	ND	MO	L	INE	S		
I	004	ART	ŔΙ	GH	T	AN	GLE	5		
I	009	ART	RO	M	THI	=	ROB	OT		
I	002	ART	SQ	UA	HE:	S			28	
I	017	ART	TA	FΕ	ST	RY				
I	002	ART	TW	IN	Ε	1				
I	008	ART	TW	IN	E.	2			37	
I	002	ART	TW	IN	Ė	DO	C		88	
1	004	ART	WI	ND	DW					
I	005	ART	WO	RM	->	NE	ED9	i W	ORK	
I	006	CLO	CK	1						
Ī	007	CLO	CK	2	WE	IN	STO	OCK		
I		CLO							Š.	
					Zanzan	0.000				

B 006 HIRES GR MESSAGE (COO.3FF)

B 018 HIRES GR MESSAGE (COO.FFF)

I OIB HIRES OR MESSAGE->NEEDS WORK

# I 008 TV PATTERN GENERATOR

Art & Graphic 009

I 002 MEMORY DRGANIZATION

I 005 TV CONVERGENCE

I 013 CLOCK 5 COHN

I 006 JOYSTICK ?

1	005	AAA	MESSAGE
I	008	ART	2 CIRCLES
I	019	ART	ALPHABET 1
I	022	ART	ANIMATIONS
I	002	ART	BEEP SQUARES
I	033	ART	BIRTHDAY
I	011	ART	DEMO 2
B	006	ART	DEMO 2.X
1	017	ART	DEMO 4->NEEDS WORK
			HOLIDAYS
I	012	ART	KINESIS->NEEDS WORK
			PAK 3
I	014	ART	PLOT CONTOURS
I	038	ART	SAMPLER
I	010	ART	SKETCH
B	010	ART	SKETCH. X
1	009	ART	XMAS 1
I	030	ART	XMAS 2
I	040	HIR	ES SUBROUTINES ?
I	008	PAGI	E 1 AND 2
1	040	POS	TER SNOOPY FOOTBALL
			(*.±**)

A	rt	å	Graphic 0
A	005	AAA	MESSAGE
A	004	ART	3D HYPERBOLOID
A	002	ART	BITS
A	005	ART	BOUNCING BALL
A	011	ART	COLOR BAR
A	002	ART	COLOR PATTERN
A	006	ART	DAY->NEEDS WORK
			DISPLAY

A	042	ART	DRAW
Α	015	ART	DRAW SHAPES
Α	009	ART	DRAW SHAPES ADDER
Α	018	ART	DRAW SHAPES WITH &
Α	012	ART	ENTERPRISE
B	034	ART	ENTERPRISE.X
A	004	ART	FLOWERS
A	014	ART	FLUTTER BY
В	010	ART	FLUTTER.W
В	005	ART	FLUTTER.X
B	005	ART	FLUTTER.Y
H	034	ART	FLUTTER. Z
A	009	ART	GIFTED
A	004	ART	HORIZ BARS
Α	003	ART	HYPER I
A	003	ART	HYPER II
A	002	ART	ILLUSION
В	011	ART	ILLUSION.X
Α	002	ART	IMPACT
A	003	ART	KALEIDO KEYS
A	004	ART	KALEIDO SHAPE
A	002	ART	KALEIDOSCOPE
Α	005	ART	MANDALA
A		ART	
Α	003	ART	MULTICOLOR I
Α	004	ART	PACIFIER
A	005	ART	PATTERN BW
A	004	ART	PLAIDS
Α	012	ART	POLYGONS
A	002	ART	
A		ART	
Α	2 005		ROSE SUPER
A	0.06	ART	RUBBER ROSE
Α	003	ART	SINEWAVE
Α	005	ART	SPIRO I
Α	002	ART	STRIPES
Α	007	ART	SUPER PLUS
A	002	ART	THEME I
A	002	ART	THEME II
Α	003	ART	THEME III
A	004	ART	THEME IV
A	003	ART	THEME V
Α	002	ART	TRIANGLE
A	009	ART	VALENTINE
A	002	ART	WINDOWS
Α			STICK
Α	002	PIC	TURE LOADER
A		30 HE 610	TER
A	017	POS	TER BANNER II
20		* 00	TEO DISSINV

### Art & Graphic 011

A 006 POSTER BUNNY

I	005	AAA	MESSAGE
I	018	ART	APPLE LOGO
1	006	ART	APPLEGRAPHICS
I	005	ART	BUTTERFLIES
I	003	ART	COLOR SHOW
I	002	ART	DAZZLER
B	003	ART	DAZZLER.X
I	003	ART	DOTS OR LINES
I	007	ART	DRAWING
1	007	ART	GRA SPEED
I	003	ART	GRAPHIC
Ţ	003	ART	KOFTINOFF
I	008	ART	MODERN PAINTING
I	003	ART	MOSIAC
1	015	ART	NATL PRIDE 2
I	002	ART	PLAID COLORS
1	010	ART	ROCKET
I	009	ART	SHAPE BUILDER

B 006 ART SHAPE BUILDER. X

1 006 ART SNOWFLAKES

### Art & Graphic 013

1 015 TYPE CHARACTERS ?

A 015 POSTER BANJO->NEEDS WORK

A 012 POSTER SNOOPY

A 010 SAVE A SKETCH

A 018 SHAPER INSTRUCTIONS

A 023 SHAPER

A 002 STAR SHIP

B 034 STAR SHIP.X

B 034 STAR SHIP.Y

A 017 SURFACE 3D

898 B								
	014	CLOCK & TARNOFF	185	ſ	005	AAA	MESSAGE	
1	020	DOODLE		I			DEMO 3	
ſ	002	DOODLE.X		I			KALEIDOSCOPE	2
1	050	HOLIDAY PAK					LADY BUG	
	010	LINCOLN					MOOSE	
	002	LINCOLN-NEED HIRES END		Ī			ONE LINER	
		LINCOLN.X		Ā			ONELINER 11	
	003	PULSAR		ī			PARROT	
		PULSAR.1		Î	004			
		FULSAR.2					SLIDE SHOW	
		PULSAR.3					SLIDE.V	
		FULSAR.4					SLIDE.N	
A		PULSAR.5					SLIDE.X	
	- 100 CV	PULSAR.6					/00	
		PULSAR.7					SLIDE.Y	
		PULSAR.B		1			SLIDE. Z	
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				B	034	CONT	OURS.6	
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ART	SLIDE.X						**************************************	
ART	SLIDE.Y							
ART	SLIDE. Z			A	rt	æ	Graphi	(
ART	TRAINS	1.				19	*	
ART	TRIANGLES	28		A	005	AAA	MESSAGE	
	DICATION			Δ	400	ART	ALTEN	

### Art & Graphic 012

A 005 AAA MESSAGE

A 002 BILLBOARD ROUTINE

A 016 CLOCK GRANDFATHER

A 006 GRAPH I

A 009 GRAPH II

A 007 GRAPHING

A 006 POSTER LOVE I

A 020 POSTER NCSU WOLF

A 015 SPACE FILLING CURVES

A 040 POSTER PIZZA MAN

005 ART WALLS

006 BAR GRAPH

002 BILLBOARD

007 CAR ANIMATION

OOB CLOCK 3 MASSIMO

004 ART WORM

Α	023	ART	3D EXTRAVAGANZA					
A	004	ART	3D PLOT AND SAVE	A	rt	&	Graphic 01	4
A	012	ART	3D PROJECTIONS				2000 LEO CONTROL CONTR	
A	050	ART	APPLE				MESSAGE	
A	013	ART	APPLE CORPS	*II (1985)			BOX PADDLES	
A	004	ART	APPLE ROSE				BOXES	
A	005	ART	CIRCLES				BOXES 3D	
A	004	ART	CIRCLES AND PDLS				BY BEN	
A	002	ART	DAZZLE				CURVES	
B	003	ART	DAZZLE.X	***			FIREWORKS	
8/2			FLIP IT				IDIOT DELIGHT	
7/200			FLIF IT.X	40.60			JUMP	
57.7.2.2.2.			HERRINGBONE				LINES	
V			HERRINGBONES	A	004	ART	MULTICOLOR II	
Wild Control			HONEYCOMBS				STARS	
A	003	ART	HYPER III				TESSERECT	
A	003	ART	HYPER IV				TRIANGLE ILLUSION	800
A	003	ART	HYPER V				TWIST I	-
A	005	ART	IMPOSSIBLE				SPACE WAR I	
A	002	ART	ONE LINER I			BARN		
X							RACTER TABLE GENERA	110
A	003	ART	PERSPECTIVE->NEEDS \					
A	003	ART	PLAY				ACTER TABLE.X	8
			RANDOM WALK				CACTER TABLE.Y	
A	002	ART	ROSE PLASTIC .				ACTER TABLE.Z	
A	003	ART	SHAPES				AR COPY	
A	002	ART	SPIRAL I				AR COPY.?	
Α	003	ART	SPIRAL II				AR COPY.X	
A	006	ART	SPIRO II				AR COPY.Y	
Α	006	ART	STRING	C. (1)			CHART I	
B	034	ART	STRING.1				CHART II	
Α	002	ART	SUNBURST				CHART. X	
A	015	ART	XMAS SCENE	-			CHART.Y	<b>.</b> pr. 1 s
 Sec. 2				Α.	11 4 6	опет	TO BANKOLINEERO NO	CHAR

Art & Graphic 015

I 002 ART DISPLAY COLORS

B 002 ART DISPLAY COLORS.X

I 005 AAA MESSAGE

I 012 ART WINDMILL

I 002 CONTOURS

B 034 CONTOURS.1

B 034 CONTOURS.10

B 034 CONTOURS.11

B 034 CONTOURS.2

B 034 CONTDURS.3

Art	& Graphic 016
A 005	AAA MESSAGE
A 006	ART ALIGN
A0000 100 00 Period 2000	ART BARS
	ART CIRCLE
	ART DEMO
	ART DIVERGING CIRCLES
	ART DIVERGING OCTAGONS
A 003	ART DOUBLE CROSS
A 006	
	ART DRIFTING CIRCLE
	ART DRIFTING OCTAGON
	ART ELEPHANT
A 003	- ^ TSAN : : ^ TSATE TO TE 42 HE - () TSAN (************************************
A 005	
A 007	ART IBM
A 003	
	ART ONELINER VII
	ART SPACE
	ART SUPER KALIED
	ART TWIST II
	ART XMAS CARD
A 014	
	BILLBOARD MOTHER GRAPHIC SWITCH
	HI-RES TEXT DEMO ?
\$3 B	HI-RES TEXT SET
75 Y 75 Y 36 Y 1.	HIGHER HIRES
1974 - 1979 F. R.	HIRES SKETCH
	INVERT MONITOR MODE
	1155
B 015	
A 004	
	PICTURE LOADER
	PLOT POURRI
A 010	
A 00B	
	POSTER LOVE II
	RUBBER APPLE
	SHAPE EDITOR
A. A.C. 100-100-100-100-100-100-100-100-100-100	SHAPE GENERATOR
	SHAPE INSTR
	SHAPE TABLE EDITOR
	SHAPE TABLE FOR HIRES LABELS
100000000000000000000000000000000000000	SHAPE TEST
	SKYNRITER
	SKYWRITER I
	SKYWRITER II
A ADE	CVVNDITED INCTO

A 025 SKYWRITER INSTR

A 013 SKYWRITER SNOOPY

A 005 TV PATTERN GENERATOR

B 018 STAR, SHAPE

A	87	÷	æ	12	-	2	73	h	ŝ	0	n	1	7	
~	4	•	474	200		u	N	10	,	•	•	•		

I	003	AAA	AR	T	&	G	RAI	PHI	C	01
I	005	AAA	ME	SS	AG	£				
I	008	ART	BE	GI	NK	t	NG		332	
I	013	ART	ΕN	TE	ŔP	R	ISE	=		
I	012	ART	ΗY	PN	OT	I	ZE	₹		
I	006	ART	ME	RR	Y	X	MAS	3		
I	005	ART	TI	ME	7	U	NNI	EL		
I	036	BILL	· B	UD	GE		3 D	ĎΕ	MO	
I	022	HIRE	S	PA	K	1				
I	022	HIRE	S	PA	K	2				
B	026	MODU	LE	. D	EM	0				
I	018	SHAP	E	MA	ΚĒ	R				

#### Art & Graphic 018

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A 005 AAA MESSAGE
B 040 ABOUT ARTHUR
B 020 ABOUT BROOKE BOERING'S SCORES
B 022 ABOUT CEEMAC
B 016 ABOUT FISHTANK
B 034 ABOUT JP MCMILLAN'S SCORES
B 024 ABOUT VAGABONDO
B 034 ABOUT W. MIKE BENDIK'S SCORES
I 002 APPLESOFT
B 030 CEEHI
8 018 CEELO
A 002 FIRE ORGAN (C)
A 002 HELLO
B 034 HIRES
B 009 PATTERN 1
B 009 PATTERN 2
B 009 PATTERN 3
B 009 PATTERN 4
```

### Art & Graphic 019

8 015 PRODUCT ANNOUNCEMENT

B 009 PATTERN 5

B 027 PD0C

8 038 SCORES

8 014 SHAPES

A 005 START.A

I 005 START.I

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B 004 AMPER
A 009 ANNOUNCEMENTS
A 026 CAT-GRAPHIX
B 034 CAT.PIC
A 008 CHAR-EDIT 3
A 002 CIRCLES 1
A 003 CIRCLES 18
A 003 CIRCLES 1C
A 002 CIRCLES 2
A 002 CIRCLES 4
A 002 CLEAR DEMO
A 002 COLORED BOXES 1
A 002 COLDRED BOXES 3
B 002 DEMO CHARS
A 006 DEMOS!
T 048 DOCUMENT
A 003 DOCUMENTATION
A 000 DRAWIT
B 014 EDIT. OBJ
B 002 GRAFYX
B 025 GRAPHIX II
A 003 HI-RES DAZZLER
A 005 KALEID 4
A 002 KINETIC 1
A 002 KINETIC 2
132
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#### Astronomy 028 A 034 LINESET EDITOR

A 003 LO-RES DAZZLER

A 002 MESSY CIRCLES

B 003 LORES

B 005 01.4

B 008 08.1

B 008 08.2

A 004 52

B 002 SPIN

B 002 DILER

A 002 PATTERN

A 004 QUIXOTIC 1

A 004 QUIXOTIC 3

A 002 SEA OF GREEN

A 003 SERENDIPITY

A 003 SPIN DEMO

A 002 SQUARE 4

A 002 SQUARE 5

B 002 STUFF

A 013 UPGRADE

T 027 XAMPER

A 002 SPARKEE

B 020 @CEEMAC

*I 002 APPLESOFT

B 013 AUDREY

B 015 BOOTUP

B 026 CEEHI

B 026 CEELO

A 002 HELLO

B 033 HIRES

*8 002 MVFP

8 033 FDOC

B 043 SPARKEE

A 006 START.A

I 005 START.I

*A 121 UNOBD X

*T 002 STARTER

*A 002 MESSAGE

*B 034 FAUVE AL

*B 034 FAUVE AL A

*B 034 FAUVE AL #2

*B 034 FAUVE AL #3

*B 034 FAUVE AL #4

*B 034 FAUVE AL #5

*8 034 AL REDEFINED

*8 034 AL SPEAKS

*B 034 GRID AL

*T 002 START 1

*9 034 FAUVE AL B

*A 007 WAVES

*T 002 BPS

*A 003 COLOR TEST 2

*A 003 EXEC PRO 4 AL

*A 002 EXEC PRO 4 START

B 010 @CEEMAC SUPPORT

B 028 GLINER NOTES

B 006 YZ

B 006 YZ3

B 003 SERENDIPITOUS

A 003 STAINED GLASS

A 005 TABLE MAKER

T 097 XGRAPHIX II

Art & Graphic 020

Art & Graphic 021

B 005 02

A	005	AAA MESSAGE
Α	022	ASTRONOMY EXPOSURES
I	028	ASTRONOMY TUTOR
Α	006	CALENDAR MOON AGE
A	011	EPHENERIS
Α	060	GREAT CIRCLE BEARINGS
Α	014	JUPITER MOONS
B	002	JUPITER.X
В	018	JUPITER.Y
Α	810	MOON FINDER
Α	025	OSCAR .
A	011	OSCAR ORBIT PERIODS
. A	031	OSCARLOCATOR
#T	003	OSCARLOCATOR FILE
Α	009	OSCARLOCATOR FILE INIT
Α	019	OSCARLOCATOR INSTRUCTIONS
Α	024	PLANET LOCATOR
В	002	PLANET LOCATOR.X
B	010	PLANET LOCATOR.Y
Á	018	SUNRISE AND SET
A	023	URSA STAR TIME

#### Astronomy 029

A	005	AAA MESSAI	
T	044	SATELLITE	A0-7
Ţ	044	SATELLITE	AO-B
A	014	SATELLITE	CALENDAR
A	021	SATELLITE	COMMON VIEW
T	009	SATELLITE	DATA
Α	900	SATELLITE	DATA READER
A	036	SATELLITE	DATA->NEEDS WORK
A	028	SATELLITE	ELLIPTICAL DRBIT
A	019	SATELLITE	POINTING
A	026	SATELLITE	REAL TIME

#### Aviation 034

A	005	AAA MESSAGE	
Α	005	AIRCRAFT DATABASE	
T	002	BASENAMEFILE	
T	007	COMMERCIAL AIRCRAFT	
T	007	COMMERCIAL AIRCRAFT INDEXFILE	
A	040	FILE CABINET IV	
7	006	GENERAL INFORMATION	7
3	010	MODERN COMBAT AIRCRAFT	
T	006	SAILPLANES	
T	003	SAILPLANES HEADERFILE	
T	016	SAILPLANES INDEXFILE	
T	006	SINGLE ENGINE AIRCRAFT	
Т	006	WW II BOMBER AIRCRAFT	
I	007	WW II FIGHTER AIRCRAFT	

#### Aviation 035

	A	005	AAA MESBAGE	
	1	019	AIRCRAFT CATALOG	
	A	032	AIRCRAFT PERFORMANCE	
	A	007	AIRCRAFT SLIDE SHOW	
	B	033	COMMERCIAL AIRCRAFT	
	B	033	FOREIGN FIGHTERS	
	B	033	GENERAL AVIATION	
	В	033	HOMEBUILT AIRCRAFT	
	В		MODERN US FIGHTERS	
	A	008	RNAV GLIDE SLOPE	
	B	002	SILENTYPE HIRES DUMP	
	Ã	004	SLIDE SHOW TO SILENTY	P
102.0	В		US BOMBERS	
	В	033	US JET FIGHTERS	0.50
	В	033	US WW II FIGHTERS	

iness & Finance 04	2 Business & Finance 045	Business & Finance 04
005 AAA MESSAGE ANNUITY PRINCIPAL & INTEREST	A 005 AAA MESSAGE	A 005 AAA MESSAGE
005 AAA MESSAGE 005 ANNUITY PRINCIPAL & INTEREST 005 ANNUITY REGULAR DEPOSITS	A 004 ANNUITY	A 010 ALL ACCOUNTS
ANNULLY PRINCIPAL & INTEREST	A 004 AVERAGE GROWTH RATE	A 010 BILLS
005 ANNUITY PRINCIPAL & INTEREST 005 ANNUITY REGULAR DEPOSITS 003 ANNUITY->NEEDS WORK	T AGI RASENAMEFILE	A 005 CLEAN UP
NIS ANNUITY- MEEDS WORK	A DAK CAC RECORD SYSTEM->NEEDS WORK	T 003 COMPANY
003 ANNUITY->NEEDS WORK 018 BOND PRICE & INTEREST 013 BOND VALUE 012 BUDGET MONTHLY 032 DECISION MATRIX	A DOS CHECK BOOK BALANCER	A UZB UHIH BHOC
A 2 BOND VALUE	A OOB CHECK WRITER	A 028 FILE CABINET I
132 BUDGET MUNIALY	A 004 DEPRECIATION AMOUNT	A 029 FILE CABINET II
	A GAT REPRECIATION RATE	A 03B FILE CABINET III
032 BUNGET HOMALA 013 DECISION MATRIX 013 FINANCIAL PAK 054 FINANCIAL PAK 184 FINANCIAL PAK	A 010 DEPRECIATION SCHEDULES	A 040 FILE CABINET IV
INVESTMENT ANNULLY FURECASIS	A QUE DEPRECIATION STRAIGHT	A 015 INDIVIDUAL ACCOUNTS
054 FINANCIAL PAK 054 INVESTMENT ANNUITY FORECASTS 016 KEOGH SAVINGS PROGRAM 012 KEOGH SAVINGS PROGRAM	A 004 DISCOUNT COMMERCIAL PAPER	T 002 JOBWORK
012 KEDOR BRYTHOO HOLE 014 LOAN DIRECT REDUCTION	A 024 HOUSE SALES	A TOOB NEW
	A 005 INCOME TAXES	A 003 NOMINAL INTEREST RATE
004 LOAN INTEREST	A 012 INTEREST EARNED	A 012 PAY
029 MARKET EVALUATUR PAR	A AAT INTEGEST RATE	T 001 PFILE
LOAN INTEREST  OUT LOAN INTEREST  OUT MARKET EVALUATOR PAK  OUT MORTGAGE CALCULATION  OUT NICER WRITER->NEEDS WORK  OUT REGULAR DEPOSITS I  OUT SALES TAX AT 6%	A 038 INVENTORY HOME II	A 003 PRINT ALL ENTRIES FOR 1 #
007 NICER WALLER-JACEDS WORK	A 004 INVESTMENT FOR WITHDRAWALS	A 012 PROPERTY MORTGAGE
003 REGULAR DEFUSION I	A 004 INVESTMENT FUTURE VALUE	T 009 REC .
003 REGISTAX AT 6%	A 004 INVESTMENT INITIAL	A 011 STATEMENT INVOICE
BROWN CONTRACT FINAL FOLLOW	A 013 LEASE COMPUTATION	A 002 UTILITY TO WRITE BLANK PFILE
BE SELUKIII HUUCISIS COI I DAIN	A 031 LIFE MGMT AND FINANCES	A 003 UTILITY WRITE EMPTY DISK
003 SIMPLE INTEREST	A 012 LIFE MGMT TEXT DREANIZER	
A 010 STOCK OPTION ANALYSIS	A 005 LOAN BALANCE	0 - 1 0 Einanaa 0
OLA STOCK OPTION COVERED HEDGE	A 007 LOAN INTEREST RATE	Business & Finance O
OLS STOCK OPTION PRICING I	A 005 LOAN LAST PAYMENT	A AAE AAA MECCACE
021 STOCK OPTION PRICING II	A 004 LOAN PRINCIPAL	A QQ5 AAA MESSAGE
A COB STOCK PORTFOLIO VALUATION	A 005 LOAN REGULAR PAYMENT	B 004 ALPHA# A 022 APPLE FILE (C)
028 STOCKS	A 004 LOAN TERM	A 007 BUDGET ANALYZE
A 010 TRIP COST ANALYSIS	A 004 COHN TERM	
	H OUT HONTONDE COM CIEM	A OOB BUDGET EDIT

A 012 AMORTIZATION SCHEDULE PRINTED

A 013 AMORTIZATION SCHEDULE SCREEN

A 008 OVERALL RATE SCREEN

A 006 TAX DEPRECIATION SCHEDULE

A 013 PAYMENT SCHEDULE

A 007 MORTGAGE TABLE

A 063 PAYROLL

#### A 004 REGULAR DEPOSITS II

A 014 VISICALC FORMULAS

A 006 VISICALC FORMULAS INSTR

A 029 INVENTORY. FILE READ

A OLI STOCK VALUATION

1018 STOCK MARKET FORECASTER

Business & Finance	043	A	003	REGULAR	R WITHDR E VALUE	AWALS
1 005 AAA MESSAGE		A	009	SAVINGS	GROWTH	DUCTION
1 030 CALENDAR FERSONAL 1 006 LETTER WRITER		Α	003	SYSTEM	RELIABI	LITY
LOOB LETTER WRITER ENHANCE		A	004	TREASU	RY BILL	VALUATION
1 014 PHONE LIST 1 005 REAL ESTATE PLOT						
B 034 REAL ESTATE PLOT.X A 012 STOCK MONITOR I	355				8	34

#### A 015 STOCK MONITOR 11 A 024 TREND LINE ANALYSIS A 006 VISICALC COORD FORMULAS A 005 AAA MESSAGE A 012 VISICALC D FILE PRINTER A 013 ADDRESS FILE

	12
	T 002 BORK. INV
	T 003 BORK.OPF
	T 003 COMP.INV
Business & Finance 044	A 009 COMPOUND INTEREST TABLES
	A COB ELLWOOD GRAPH POINTS
A 005 AAA MESSAGE	A 009 ELLWOOD GRAPH POINTS PRINTED
A 025 APARTMENT MORTGAGE	A 029 FILE MANAGER
A 052 BANKING AND FINANCE	B 003 FILE MANAGER.X
A 058 BUSINESS FINANCE	A 018 HOME ACCOUNTING
A 006 CHECK STUB	A 010 INCOME APPROACH PRINTED
A 020 HOUSEHOLD EXPENSES PROFILE	A 025 INCOME APPROACH RATE PRINTED
A 041 INCOME TAX 1040 FOR 77	A 011 INCOME APPROACH SCREEN
A 029 INVENTORY COMPANY	A 049 INCOME TAX
A 004 INVENTORY COST FILE ENTRY	A 021 INVENTATOR
A 016 INVENTORY HOME I	T 002 INVENTATOR. INV
A 022 INVENTORY MODEL	A 014 NAMES SEARCH
A 009 INVENTORY PRINT->NEEDS WORK	A 015 NET PRESENT VALUE
A 003 INVENTORY SHORTEST	A 015 NET PRESENT VALUE IRR
* 003 INVENTORY SHORTEST READ	A 008 NPV % CHANGE INCOME
N 023 INVENTORY.	A OOB NPV % CHANGE INCOME IRR
M 903 INVENTORY.DOC	A OOB NPV % CHANGE INCOME PR
" U19 INVENTORY.FILE CREATE	A 012 OVERALL RATE PRINTED
0 A	** *** *******************************

## 048

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A OOB BUDGET EDIT
                                      A 014 BUDGET INPUT
                                      A 012 BUDGET PLOT
                                      A 005 BUDGET TRACKER INSTR
                                      B 006 CARDI
                                      B 006 CARD2
                                      B 006 CARD3
                                      B 006 CARD4
                                      B 006 CARDS
                                      B 006 CARDS
                                      B 006 CARD7
                                       B 006 CARDB
                                       B 006 CARD9
                                      A 018 CHECK BOOK
Business & Finance 046 A 010 CHECK BOOK INSTR
                                      B 002 CHECK BOOK.X
                                       A 021 FAMILY FINANCE (C)
                                        004 G/L DATA
                                       A 041 GEN LEDGER
                                       A 031 GEN LEDGER PRINTER
                                       B 038 HOUSE BUDGET
                                       T 003 HOUSE STRINGS
                                       T. 004 INDEX
                                       A 041 MATRIX MAKER
                                       T 003 MM-TEST
                                       T 003 TEST. DATA
                                       A 002 TEXT FILE READER
                                       A 013 TITLE SLIDES
```

### Business & Finance 049

		15
A		AAA MESSAGE
A	002	A DATA BASE MGMT PGM (C)
T	045	CONSTAR
A	033	CREATE.ADD
T		CURRENTFILE
Α	029	DISK TO TAPE TRANSFER
A	033	EDIT.FILE
A	038	HELP
Α	052	MERGE
I	018	PBM TRANSFER 1
I	018	PGM TRANSFER 2
I	006	PGM TRANSFER INSTRUCTIONS
A	051	SEARCH.SORT
1000		78 TO 10 TO

8 003 SPLIT CAT

A 035 TRANS. COPY

#### Chemistry & Biology 060

Ç	n e	mistry a bioi
A	005	AAA MESSAGE
A	005	BATTERY DEMO
A	010	CIRCULAR DICHROISM
I.	039	DNA
A	017	ELEMENTS TABLE
A	054	ENZYME KINETICS
A	021	MOLALITY
Α	022	MOLE
A	019	MOLECULES OF C H O
I	016	MOLECULES OF CARBON
8	006	MOLECULES OF CARBON.
B	003	MOLECULES OF CARBON.
B	034	RADIO
A	011	RADIOACTIVE
A	003	TEST MAKER
A	006	TEST TAKER
T	017	

#### Education & School 067

A	005	AAA MESSAGE
A	005	ANSWER SHEET
A	005	BELL SCHEDULE
Ţ	001	CHEM GR EXAM.
T	005	CHEM GR EXAM. CHEM GR EXAM
A	017	CHEM GRADER
A	004	FILE START C-G
T	001	G-G EXAMPLEG-G EXAMPLE
A	009	READING DRILL
A	004	TEST APPEND
A	003	TEST APPEND I
A	003	TEST MAKER
A	006	TEST TAKER
Ŧ	005	TEST. CHEM NAMES

#### Electronic & Radio 076

A	005	AAA MESSAGE
A	096	DXCC DEMATTIA
T	059	DXCC FILE
Α	016	DXCC GAME WITH PRINTER
Α	043	DXCC WAGNER
Α	013	ELCT CALCULATOR I
A	011	FILTER NOTCH
A	014	LIGHTING LIFE CYCLE
A	015	LOG AMATEUR RADIO
A	023	MAP PROJECTIONS
A	010	REACTANCE CALCULATIONS
Α	006	RESISTOR COLOR CODE DECODER
A	008	RESISTOR COLOR CODE QUIZ
A	011	TOWER GUY WIRE LENGTHS
A	005	TRANSISTOR PARAMETERS
Α	014	WAS RECORDS
Α	011	WAZ RECORDS
		E E

#### Game 101

	NOISE BRIDGE CALCULATOR	I OOS AAA MESSAGE
	006 OHMS LAW	I 045 BOWLING 2
	OHMS LAW FORMULA	B 016 BOWLING.X
	006 PI NETWORK DESIGN I	I 007 CARD TRICK 1
2000	09 PI NETWORK DESIGN II	I 013 CARD TRICK 3
	105 POWER SUPPLY AND FILTER	I 036 CHESS MINI
	al2 OSL CARD	I 014 CONNECTION
-	OU QUAD ANTENNA DESIGN I	I 035 GAME PAK 2
	B QUAD ANTENNA DESIGN II	I 048 GAME PAK 3
ı	MS RESISTIVE T PI ATTENUATORS	I 015 HAMMURABI
	M2 SWR CALCULATOR	1 020 KENO 2
	06 TIMER DESIGN	I 007 MAZE GENERATOR
200	105 TRANSISTOR AMP CALCULATOR	I 013 MAZE RACE TIMED
	03 VHF SIGNAL DEFRACTION	I 024 PARACHUTE
	03 VSWR FROM POWER	I 006 SIMON SAYS
		I 053 TREK APPLE 2
		I 019 TREK APPLE 2 INS
-		T 023 WUMPUS HUNT
: 60::	26.0V	

#### Game 105

A 009 HORSE RACE I

A 037 LASER SEARCH

A 073 MONOPOLY II

A 021 TWONKY III

A 046 STARTREK->NEEDS WORK

	1	005	AAA MESSAGE
	1	017	CAPITALS OF STATES
	I	054	CASINO ROYALE
	₿	020	CASINO ROYALE.X
	I	009	DARTS FOOTBALL
	I	023	FOOTBALL
	1	046	GIN RUMMY
,	B	020	GIN KUMMY.X
	₿	014	GIN RUMMY.Y
	I	014	HI LO.
	I	041	ROLL EM
	I	024	SAUCER INVASION
174	Ι	014	SIMON SAYS SUPER
	I	006	WALL BUILDER
	I	052	YAHTZEE

#### Demonstration 064

T 001 TEST. CHEM COMPOUNDS

T 005 TEST. CHEM NAMES

. T 008 TEST. IONS

005	AAA MESSAGE
015	AIRCRAFT ID DEMO (C)
002	AIRCRAFT ID.X
010	AIRCRAFT ID.Y
002	AIRCRAFT ID.Z
008	BEAGLE BROS DEMO (C)
036	BILL BUDGE 3D DEMO
009	DEMO MENU
027	DOS BOSS DEMO
026	MODULE.DEMO
028	SLIPPERY DIGITS DEMO
034	TALKING HEADS #1
034	TALKING HEADS #2
018	TEXTTRAIN DEMO
030	WOWZO DEMO
	8.
	015 002 010 002 008 036 009 027 026 028 034 016

#### Electronic & Radio 074

R	002	AIRCRAFT ID. Z	22	I	005	AAA ME	SSAGE	
23,000		BEAGLE BROS DEMO (C)	87	T	003	MORSE	CODE	DATA
-		BILL BUDGE 3D DEWD		I	007	MORSE	CODE	DRILL
337		DEMO MENU		T	002	MORSE	CODE	EXEC
1980				I	006	MORSE	CODE	EXEC WRITER
8800		DOS BOSS DEMO		Ī	033	MORSE	CODE	FLASH
		MODULE.DEMO						INTERPRETER
		SLIPPERY DIGITS DEMO						PRACTICE
		TALKING HEADS #1						READER
		TALKING HEADS #2						RECEIVE
		TEXTTRAIN DEMO						SEND ALPHAMERIC
A	030	WOWZO DEMO						SEND CHARACTERS
				333				SEND MESSAGE
F	d u	cation & School	066	0.00	70000000000			
2:2 <del>-4-4</del> 2							N. 186	TEACHER
A	005	AAA MESSAGE		-		-		TEACHER KELTI
		ALPHABET & SOUND						TRAINER
	200711-14000	CLASS BOY GIRL RATIO						TRUSTY
		CLASS GRADE BOOK	80					TUTORIAL
		CLASS GRADER	W.					WRITER
840		The scenar white the tar		1	103	LIDVOE	CODE	MUTICA

#### Electronic & Radio 077

100 110	5 A TO A TO THE STORY OF STREET	
T	001	CODE DATA
A	029	DUPE CONTEST
Α	009	DUPE FINDER
B	002	DUPE FINDER.X
A	007	DUPE SHEET
B	002	DUPE SHEET.X
Ð	026	DUPE SHEET.Y
A	009	CAN CARROLL AND THE STATE OF TH
A	007	HAM LOG TOX
A	019	HAM LOG MASSIMO
A	012	HAM LOG ZAPPALA I
Α	015	HAM LOG ZAPPALA II
Α	020	LOADED DIPOLE DESIGN
T	002	LOG BOOK
Α	047	LOG BOOK 1.1
Α	008	LOG BOOK 1.1 INSTR
T	002	LOG BOOK COMMENTS
A	002	LOG BOOK NEW START
Ð	003	LOG BOOK.X
A	014	LOG NET CONTROL
A	070	PHONE DIRECTORY
8	034	RTTY, INTERFACE.PIC

A 002 RTTY PICTURE LOADER

A 005 AAA MESSAGE

A 026 ADDRESS BOOK

#### lectronic & Radio 079

005	AAA MESSAGE
005	HAM LOG STATION
006	INPUT AMPLIFIER
	LOGIC ANALYSIS
029	LOGIC ANALYZER
014	LOGIC CIRCUIT ANALYSIS
009	OSL FILE
	152

### Food 092

005 AAA MESSAGE

	Committee of the commit
004	ALFHA#
026	CALORIE COUNTING PROGRAM
014	CALORIE ROMTS
029	FOOD VALUES
033	IDEAL BODY WEIGHT
031	LIFE EXPECTANCY
 J	LIFE EXPECTANCY TEST
017	METRIC KITCHEN
043	RECIPE BOX
002	INDEXRECIPE FILE
002	RECIPE FILE
042	RECIPE CALORIE COST
003	RECIPE COST
026	RECIPE COST PER SERVING

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### Game 102

A 005 AAA NESSAGE

A	002	ASTEROYDER
B	080	ASTEROYDER.X
A	008	BIKE JUMP BW
A	017	CHECKERS I
A	004	COIN TOSS
A	017	CRAPS II
A	015	FATHOM
8	003	FATHOM.X
A	034	FIZZ BIN
A	031	FOOTBALL BW
Ĥ	048	GOLF III
A	008	MASTERMIND
Α	020	NAME THAT DATE
A	002	SHOOTING ALIEN
B	080	SHOOTING ALIEN
A	012	TIC TAC TOE

#### Game 103

A 009 TIC TAC TOE BW

Sales of the sales	005	AAA MESSAGE
	020	BATTLESTAR
	003	CHESS 2
1	042	CHESS 2.X
	055	CONCENTRATION
	033	DRAGON MAZE 3
	035	FIRE
	027	FISHING->NEEDS WORK
	025	GOLF SCORE & HANDICAP
	025	PINBALL SUPER
	023	POKER STUD
	020	POKER STUD.X
	007	SIMON
	008	SOLITAIRE CHECKERS BW
	022	STORY TELLER
	012	TAX MAN
	009	TIME BOMB
	025	WUMPUS 2
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A	04	9	CR	IB	8/	46	Ε	I	I	9	W			
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A	01	7	DRI	A G	10	٧	MA	Z	E	E	RA	SE	3	Ì
A	03	1	FOF	TF		I				:				
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#### Game 106

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Α	005	AAA	MES	SSA	GE		
A	008	ANIM	IAL		21		
A	055	. ART	AUC	TI	DN		
Α	004	BALL	CA	ATC	HER		
A	017	BOMB	ARI	)ME	ΝT		
A	021	BOXE	D 1	N			
A	008	DEPT	H C	HA	RGE		
A	010	DOGF	IGH	łT			
Α	800	DOOR	S				
A	016	ELEV	ATE			\$8	
A	034	FORT	Ţ				
A	020	GOLF	I				
A	014	KLIN	GON	C	APTI	URE	, N
		MONS					
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A	014	OBST	ACL	Ε			
A	007	PETA	LS	ROI	UND	THE	ROSE
A		ROLL				10 (0.00 / 10)	537 170, 170 17
		ROTA		attenate			
A	970	STAR	TR	ĒΚ	SUF	ER	
		STOC					
		WORD					
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#### Game 107

A	005	AAA MESSAGE
A	092	ATOM 20
A	006	BID READ QUIZ
T	002	ÐID1
7	001	BID2
T	001	8103
A	020	BOXER
Ţ	002	BOXER DATA
T	800	BOXER NAMES
A	021	INSPECTOR CLEWSO
Α	011	KENO
A	030	KING
A	058	OIL
Α	050	OTHELLO WITH DOC
A	018	SPLAT
Α	922	STAR LANES
A	013	STAR LANES INSTR
Α	028	TWONKY II

#### Electronic & Radio 075

I 005 AAA MESSAGE

A 017 MODEM CHESS

I 007 MODEM DEMO 1

I 007 MODEM DEMO 2

A 004 MODEM HELLO

I 002 MODEM.

8 002 modem.X

A OUB MODEM PASSWORD

I 006 MODEM SELF TEST

B 002 MODEN.ORIGINAL

I 006 MODEM ALARM CLOCK

A 045 MODEM AUTO DIALER

I 006 MODEN DUMB TERMINAL

A 004 MODEM PHONE PICKUP

I 008 MODEM STORE FORWARD

A 013 MODEM PROGRAM EXCHANGE

I 007 MODEM SELF TEST PROGRAM

A 005 MODEM TEXT FILE TRANSFER

A 003 TEXT FILE READ AND PRINT I

T 062 BBS

A	004	CLASS GRADER INITIALIZE
A	015	FINAL GRADE
Α	004	FINAL GRADE DOC.
A	014	FOURTH GRADE DEMO
I	007	LETTER DISCRIMINATION
I,	006	SPELL ING
A	016	STUDENT GRADE AVERAGE
Α	022	STUDENT HEAD COUNT
A	004	STUDENT HEAD COUNT DOC
Ī	010	TEST IN WOODWORKING
A	042	TEST MAKER
A	019	TEST MAKER MULTI CHOICE
I	013	TYPING PRACTICE
A	016	TYPING PRACTICE->NEEDS WORK
A	005	X-AVERAGES
Α	003	X-DATE
Ť	002	X-E.FILE
T	002	X-FILE
A	005	X-FILE INIT
Ĭ	009	X-GRADING INSTR
I	002	X-INTRO NEEDED
I	002	X-SCHOOL MENU NEEDED
B	048	X-SCHOOL1
I	002	X-SCHBOLFILE
A	005	X-STUDENT NAMES
A	005	X-STUDENT NAMES GRADES
A	004	X-TEST GRADES
		St. St. St.

ž	2 / e	ctronic & Radio	0
Α	005	AAA MESSAGE	
Α	004	ANTENNA HEIGHT	
A	003	ANTENNA LENGTH	
A	005	ANTENNA PLOT	
A	013	CONDUIT FILL .	
A	004	DAY DEDUPER	
A	062	ELCT CALCULATOR II	
A	019	ELCT FORMULAS	
A	022	ELCT PAK	
A	094	ELCT ZBARS	
A	015	ELECTRIC RATE PLAN	
Α	014	ELECTRICITY CONSERVATION	
Α	004	FILTER BAND PASS ACTIVE	
A	004	FILTER HI PASS ACTIVE	
Α	003	FILTER LO PASS ACTIVE	
Α		FILTER LO PASS LC	
A	003	HAM FORMULA	
A	004	INTERMOD LOCATOR	
Α	013	L NETWORK DESIGN	

#### Game 108

A	005	AAA MESSAGE
A	00B	EXTERIOR BALLISTICS
A	021	FACTOR GAME
A	025	FIND HURKLE
B	006	FIND HURKLE.OBJ
A	043	FOOTBALL NFL
A	027	FOOTBALL->NEEDS WORK
Α	010	HANGMAN I
A	009	HANGMATH
A	032	HOCKEY II
A	033	MONOPOLY I
A	023	OREGON
A	041	OREGON. X
B	015	OREGON. Y
Α	010	PIZZA
A	026	SAIL PLANE LANDER
A	031	SWORDS AND SORCERY I
A	032	SWORDS AND SORCERY II

#### Game 109

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I 005 AAA MESSAGE
I 056 ADVENTURE 2
I 019 BLACK BOX
I 011 BOMBARDMENT 2->NEEDS WORK
I 013 BREAKOUT 2
I 016 CAPITALS OF STATES
I 021 CHASE
I 033 CIVIL WAR QUIZ
I 017 CONNECTION PDLS
I 018 GAME PAK 5
I 013 HISTORY QUIZ
I 042 HORSE APPLE DOWNS
I 003 HORSE RACE 1
I 019 KWAK STAK
B 016 KWAK STAK.X
I 038 LEGACY->NEEDS WORK
I 008 OFF THE WALLS
I 014 QUIZ BUILD
1 002 QUIZ-)NEEDED
```

#### Game 110

I 032 TREASURE

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I 005 AAA MESSAGE
I 020 ACEY DEUCY FOR TWO
I 024 AIR SIMULATOR
I 009 CODE BREAKER
I 013 CRAZY EIGHTS
I 002 GAMMON 1
9 026 GAMMON 1.X
1 002 GAMMON 2
B 034 GAMMON 2.X
I 003 GUESS A NUMBER
I 031 HORSE RACE 3
I 011 MEMORY MADNESS
I 017 PINBALL SLOW
I 018 PING PONG
I 012 PING PONG 2 PLAYER 2
I 011 PING PONG OR HANDBALL 2
I 005 ROCK PAPER SCISSOR
I 054 SELL PLANTS OR LEMONADE
I 015 SIMON SAYS WOW
I 007 SPEED RACER
I 005 TENNIS
I 040 TIC TAC TOE
I 008 TIC TAC TOE BW
I 023 TIC TAC TOE PDL 0
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Game 111
I 005 AAA MESSAGE
I 007 AIRPORT
I 033 ALIEN UFO MAZE
I 037 BATTLESHIP
I 015 BLACKOUT
I 006 BOMBS AWAY
I 009 BREAKOUT 1
I 011 BRICKOUT 2 PLAYERS
1 013 BRICKOUT 3 SPEED
I OOB DODGEBALL
I 014 DON'T FENCE ME IN
I 009 DRAGON MAZE 1
I 016 DRAGON MAZE 2
I 015 DRAGON MAZE ERASE 1
I 018 DRAGON MAZE ERASE 2
I 015 DRAGON MAZE REAL TIME
I 028 HAMMURABI HURKLE MULTIPLY
I 007 HIDDEN MOUSE 1
I 017 MIDWAY
I 012 OTHELLO 1
I 006 PING PONG 2 PLAYER 1
I OOB RUN A ROUND
I 011 SEA WAR I
I 013 SEA WAR 2
I 016 SLOT MACHINE $2
I 012 SLOT MACHINE BW
 I 014 SLOT MACHINE DICE
```

#### Game 112

I 020 BAGELS 3

I 005 AAA MESSAGE

051 BLACKJACK

I 020 TANKS

I 003 TWENTY MATCHES

I	010	BLACKJACK BW
Ī	030	BLACKJACK TUTOR
1	014	CHECKERS 1
Ţ.	052	CHECKERS 2
I	002	CHESS 1
B	026	CHESS 1.X
I	022	CLOSE THE SQUARE
I	009	CRAPPS
I	013	CUBIC 1
I	014	CUBIC 2.3
B	006	CUBIC 2.3.X
I	005	HORSE RACE 2
I	009	LUNAR LANDER BW
1	036	POKER DRAW 1
Ī	035	POKER DRAW BN
В	022	POKER DRAW.X
I	010	ROULETTE
		1800 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

#### Cama 112

1 008 SOLITAIRE BW

G	a m	e 1,1,3	
I	005	AAA MESSAGE	
Ī	011	ABSTRACT	
Ţ	007	ACEY DEUCY	
I	014	APPLEJACK 21	
9	020	APPLEJACK 21.X	
I	002	BREAKOUT 3	
В	022	BREAKOUT 3.X	

	I	010	CARD TRICK 2
	1	005	CHEMIST
	1	800	COLOR RAYS
	ľ	018	CONNECTION REV
	I	013	DRIVER
	Ĭ	008	SO MO KU
	I	002	GUIDED MISSILES
	B	018	BUIDED MISSILES.X
	I	011	HANGMAN->NEEDS WORK
	I	013	JUGGLE
	I	011	MAZE RACE
	r	058	OREGON TRAIL 2
	1	014	SAUCERS AND STARS
	I	013	SHOOT OUT
Ç	I	025	SHOOTING GALLERY
	I	007	SHOOTING STARS 1
	Ĩ	011	SHOOTING STARS 2
	1	033	SHOW DOWN
	Ī	014	STOCK MARKET
	I	013	SUB
	I	012	WUMPUS 1

#### Game 114

I 005 AAA MESSAGE

I 015 ANTI AIRCRAFT

I 019 APPLE WARS 1.1

I 025 APPLE WARS 1

I	007	BAGELS 1
1	017	BINGO AUTO->NEEDS WORK
I	040	BULLS AND BEARS
I	055	GAME PAK NIGHTMARE
I	017	GUIDED AIRPLANE
I	008	HIDDEN MOUSE 2
I	025	INTERSTELLAR
I	005	KENO 1
I	019	SLOT MACHINE \$2 + SOUN
i	010	SPACE PILOT
I	015	SPACE WAR FOR TWO
I	014	STAR SHIP ATTACK
1	012	STAR TREK MINI
Ţ	007	STAR WARS
T	024	STAR WARS FOUR

#### Game 115

I 047 WAR LORDS

I 009 TREK

I	005	AAA MESSAGE
1	020	AIR ATTACK
I	002	ALIVADER
Þ	080	ALIVADER.X
Ī	014	BAGELS 2
I	019	BASEBALL
I	018	BINGO
I	007	BINGO CARD
Į	014	BOMBER
I	012	BOXING
1	018	CARRYING BALLOON
Ī	025	CRYPTOGRAM
I	015	DEATH STAR
I	020	FLY KILLER
I	039	GAME PAK 4
I	011	PINBALL
1	013	PINBALL MARBLE
I	020	SLOT MACHINE LOTTERY
1	. 018	SPACE WAR 5
I	007	SUB COMMAND
1	021	SUBMARINE

### ₹ Game 116

	005	AAA MESSAGE	
	017	BATTLE	
	015	CENTURY 51	
	002	CENTURY 21-Y	r
B A	020	CHECKERS 11	
A	021	COMMODITY WARKET	
A	ALA	CRAPS I	
	013	CRYPTOGRAMS	
A	017	FRUSTRATION	til
	027	GEOGRAPHY II	
A	015	HANGMAN II	
A	022	LUNAR LANDING BW	
A	061	MARKET CRASH	
A	005	MARKET CRASH.X	
	009	NAME THE STATES	
A	018	PUZZLE GENERATOR	54771E
A		SOLITATE CHECKER	PUZZLE
A		SPELL THE STATES	
A	052		\$1
Α	012		
ß			
A	031	WORLD WAR	\$ \$

### Game 117

Game 117	Α
T 005 AAA MESSAGE	Α
1 009 BOMBARDMENT 1	A
1 007 CASING	Α
1 023 CHASE REAL TIME	I
LIE ADITORCE	I
I 062 CRIBBAGE I 012 LUNAR LANDER	Ŧ
1 056 OREGON TRAIL 1	I
	Ī
1 037 POKER DRAW 2	B
8 022 POKER DRAW.X	8
1 008 RUSSIAN ROULETTE	В
I OOB SEA HUNT	A
1 027 SELL APPLES	A.
I 01B SHOOTING STARS 4	A
I 013 SLOT MACHINE COLOR	H
1 029 STOCK MARKET GAME	
1 006 TALKING NUMBER GUESS	
B 023 TALKING NUMBER GUESS.X	
1 027 THIEF	
1 004 TOWERS	

#### Game 118

A	005	AAA MESSAGE	
A,	009	ARTILLERY I	
A	018	ARTILLERY II	
A	011	BOMBING MISSION	
A	018		
A	014	CAPITALS OF COUNTRIES	
A	023	CAPITALS OF NATIONS	
A	004	CAPITALS OF STATES I	
A	016	CAPITALS OF STATES II	
A	017	CAPITALS OF STATES III	
A	017	CAPITALS OF STATES IV	
A	017	CAPITALS OF STATES V	
8	012	CAPITALS OF STATES V.X	
A	021	FUR TRADER	
A	011	HORSE RACE II	
A	010	LUNAR LANDING	
A	010	ROCKET	
A	020	ROULETTE BW	
A	081	READING SPEED	
A		TARGET	
A		TREASURE HUNT	

#### Game 119

I	005	AAA MESSAGE	A
			Ţ
i		BOWLING 1	Α
Ī		CUBIC 3	Α
Ī		FOOTBALL NFL	B
3000			В
Ī		HAUNTED MANSION	В
Ī		KILL A LINE	8
Ť		OREGON TRAIL 3	Ī
Ţ	0.1710.7710.771	OTHELLO 2	ī
I		OTHELLO 2.X	B
8		PING PONG OR HANDBALL 1	T
1			Ĵ
I	006	REVERSE NUMBERS	8
I	010	ROBOT CHASE	
I	049	SALVO	
Ī	017	SHOOTING STARS 3	
1	018	SPACE CRAFT LANDING	

#### Game 120

I 004 WORDS BOUNCING

		8.0
A	005	AAA MESSAGE
Α	047	ACEY DEUCY CARDS
1	051	APPLE HORSE (C)
A	020	BOGGLE II
Α	036	EAMON CHAR BUILDER
A	014	ECONOMIC SIMULATIO
A	023	FOOTBALL APPLE
I	046	GAME PAK 1
I	039	GAME PAK 4
Ŧ	002	ROCKET PILOT
I	003	ROCKET PILOT INSTR
I	010	RP
B	002	RP.1
8	002	RP.2
B	002	RP.3
A	032	ROULETTE
A.	002	TASK FORCE
A	031	TASK FORCE.1

#### Adventure 140

	I	005	AAA MESSAGE
	T	001	ADESCRIP
	I	002	ADVENTURE HELLO
			ADVENTURE.EX
	I	003	ADVENTURE. EX MAKER
:5	200 <del></del>		ADVENTURE PROGRAM
	T	001	AITEMS
			AMESSAGE
			3.5

	A	d v	enture 141
	A	005	AAA MESSAGE
	T	031	ADESCRIP
	A	058	ADVENTURE
	A	004	ADVENTURE HELLD
	A	010	ADVENTURE START-UP
	Ţ	011	AITEMS
¥	550		AMESSAGE
	T	021	AMOVING
	A	003	EDIT AMESSAGE
			STARWARS ADVENTURE
	A	003	VIEW AMOVING

#### Adventure 142

A	005	AAA MESSAGE
T	020	ADVDIR
Α	006	ADVENTURE HELLO
Α	067	ADVENTURE JIC
В	006	ADVHELP-1
В	006	ADVHELP-2
B	006	ADVINST-1
8	006	ADVINST-2
Ť	011	ADVITEM
Ŧ	002	ADVMOVE
В	005	ADVOCAB.B
T	034	ADVSXT
T	227	ADVIXI

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Hello & Menu 166
 A 005 AAA MESSAGE
 A 003 BILLBOARD ROMANO
 A 003 BILLBOARD SINEWAVE
 A OOB CATALOG MANAGEMENT
 A 027 CATALOB MANAGEMENT EDIT
 A 009 CLOCK CARD HELLO
 A 009 CLOCK CARD HELLO I
 A 012 CLOCK CARD HELLO II
 A 013 CLOCK CARD TIME KEEPER
 A 005 HELLO ALLEN I
 A 017 HELLO ALLEN II
 A 003 HELLO AND ART
 A 002 HELLO APPLE DAYTON
 B OOB HELLD APPLE DAYTON.X
 A 004 HELLD APPLE LOGO
 B 034 HELLO APPLE LOGO.X
 A 004 HELLO APPLE PI DOM
 B 034 HELLO APPLE PI.X
 9 008 HELLD APPLE PI.Y
 A 002 HELLO APPLE-VENTION
 B OOB HELLO APPLE-VENTION.X
 I 006 HELLO APPLENET
 B 010 HELLO APPLENET.X
 B 006 HELLO APPLENET.Y
 A 004 HELLO AUTO SELECT
 A 004 HELLO AUTO SELECT I
 B 003 HELLO AUTO SELECT.X
 A 003 HELLO BILLBOARD
 A 005 HELLO BROWN
 A 002 HELLD FRAME
 A 006 HELLO FREEMAN DAVIS
 A 004 HELLO FROM CAC
 B 034 HELLO FROM CAC.X
 A 007 HELLO IAC
 A 009 HELLO MASSIMO
  I 034 HELLO TITLE DEMO
 A OOL HELLD WAGNER
 A 007 MENU IDEA GOLDING
 A 004 MENU IDEA I
 A 005 MENU IDEA II
 A 005 MENU IDEA 111
 A OOB MENU IDEA IV
 A 005 MENU IDEA MUNARRIZ
 A 012 MENU IDEA V
 A 003 MENU LOCK
B 004 MENU LOCKA
 T 001 PROG.LIST
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#### Hello & Menu 167

I 005 AAA MESSAGE I 003 BILLBOARD WYSOCKI I 002 HELLD I 015 HELLO ALLEN I 008 HELLO APPLE PI LOGO I 002 HELLO APPLE-VENTION 8 008 HELLO APPLE-VENTION.X I 003 HELLO APPLECORPS SAN DIEGO I 002 HELLO APPLESIDER B 034 HELLO APPLESIDER.X I 003 HELLO BILLBOARD AAA I 005 HELLO CAC 1 I 005 HELLO CAC 2 B 002 HELLD CAC.X B 006 HELLO CAC.Y 8 006 HELLD CAC. Z I 006 HELLD CALL APPLE I 002 HELLO DELETED FILES 9 005 HELLO DELETED FILES.X I 003 HELLO FRAME B 002 HELLO FRAME.X I 004 HELLO FREE FULL % 009 HELLO GARY FOOTE I 011 HELLO GETTING CATALOG I 004 HELLO KAMINS B 002 HELLO KAMINS.X I OIB HELLO KELTZ I 009 HELLO LETTER PUSH 1 004 HELLD LETTER SELECT 1 I 004 HELLO LETTER SELECT 2 I 003 HELLO LETTER SELECT 3 I 004 HELLO LETTER SELECT 4 I 008 HELLO LOWER CASE 8 014 HELLO LOWER CASE.X B 002 HELLO LOWER CASE.Y I 008 HELLO MELS I 007 HELLO PAPIEWSKI I 013 HELLO PIC I 003 RELLO ROUTINE I 002 HELLO SAMPLE I 004 HELLO SELECTOR I 016 HELLO SOMMERVILLE ET AL 1 I 018 HELLO SOMMERVILLE ET AL 2 I 002 HELLO SPLIT CAT 8 003 HELLO SPLIT CAT.X I 010 HELLO SPLIT CATALOG I 005 HELLO WHITESIDE DENZAU B 034 HELLO.PIC I 006 MENU IDEA + SUMMARY I 009 MENU IDEA 1 I 003 MENU IDEA 2 I 009 MENU IDEA GARSON I 003 MENU IDEA PART 1 A 006 MENU IDEA PART 2 A 004 MENU IDEA PART 3 1 009 MENU IDEA PUGETSOUND

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I 008 MENU IDEA SEEGER

I 008 MENU IDEA WAP

#### Math & Statistics 172

A 005 AAA MESSAGE A 008 ANGLO TO METRIC I A 011 ANGLO TO METRIC II A 003 ARCSIN ARCCOS A 016 CALCULATOR A 007 CALCULUS I A 013 CALCULUS II A 007 CASH REGISTER A QOS CIRCLE AREA CIRCUM A 009 COMPOUND INTEREST A 010 CRITICAL PATH ANALYSIS A 006 CURVE FIT I A 013 CURVE FIT II A 013 CURVE FIT III A 003 DERIVATIVE OF EQUATION A 010 DIFFERENTIAL EQN SOLVER A 015 EQUATION SOLVER A 005 EQUATIONS I A 014 EQUATIONS II A 014 FACTOR A 003 FIBONACCI NUMBERS A 012 FOOT CANDLE ANALYSIS A 010 FOURIER A 011 FOURIER TRANSFORM A 007 GAUSSIAN QUADRATURE II A 010 MATH DRILL I A 011 MATH DRILL II A 005 MATRIX INVERSION II A 009 MATRIX OPERATION A 016 MEAN VARI STDR DEVIA II A 007 MODE FINDER A 003 N FACTORIAL A 00/ PLOT CONSECUTIVE REACTIONS A 006 PLOT FUNCTIONS OF X A 003 PROG CHART ? A 011 ROBOT MOTOR DESIGN A 005 SINE FUNCTION A 010 STATISTICS I A 014 STATISTICS II A 014 T TEST STDN DEVIATION A 004 TIME SPEED DISTANCE EXERCISE A 006 TIME SPEED DISTANCE FUEL A 014 TRIANGLE SOLVER

A 011 UNFAIRED GROUP COMPARISON

Math & Statistics 173 I 005 AAA MESSAGE I 009 ADDITION AND GRAPHICS I 004 ADDITION AND SOUND 1 I 005 ADDITION AND SOUND 2 I OOB ADDITION DRILL I 014 BESSEL FUNCTIONS I 034 BRAIN BUSTERS I 005 COIN TOSS I 003 FRACTION TO DECIMAL I OOB LIGHT PEN 3 DEMO I 014 LIGHT PEN MATH DEMO I 026 MATH AND MUSIC I 005 MATH DIVISION 2 I 007 MATH DIVISION 3 I 008 MATH DIVISION CALC 1 I 010 MATH DIVISION CALC 2 I 030 MATH DRILL EASY I 031 MATH DRILL HARD I 025 MATH FLASH CARD I 009 MATH HEX QUIZ I 009 MATH IN COLOR 1 I 012 MATH IN COLOR 2 I 009 MATH MULTIPLY 2 NUMBERS

I 004 MATH MULTIPLY CALC I 053 MATH SUPER I 021 MATH TUTOR I OOB NUMBER LOGIC I 008 PI 1 I 009 PI 2 I 005 SQUARE & CUBE A NUMBER

A 005 AAA MESSAGE

A 004 BLACKBODY

A 003 ANGLE CONVERSION

A 003 AREA OF POLYGON

A 012 ANGLO TO METRIC III

A OOB BINOMIAL DISTRIBUTION

A 003 CHI SQUARE DISTRIBUTION

#### Math & Statistics 174

A 004 CHI SQUARE TEST A 004 COORDINATE CONVERSION A OOB COORDINATE PLOT A 003 CURVILINEAR INTERPOLATION A 002 DERIVATIVE A 016 DEIT A 011 DIFFERENTIAL EQN SOLVER DEMO A 004 EXPONENTIAL REGRESSION A 004 F DISTRIBUTION A 004 GAUSSIAN QUADRATURE I A 003 GEOMETRIC MEAN A 004 GEOMETRIC REGRESSION A 004 GREATEST COMMON DENOMINATOR A 005 HISTOGRAM A 003 LINEAR INTERPOLATION A 007 LINEAR PROGRAMMING A 004 LINEAR REGRESSION A 005 MANN WHITNEY U TEST A 022 MATH DRILL III A 019 MATH MULTIPLY DRILL A 019 MATH->NEEDS WORK A 013 MATRICES A 004 MATRIX INVERSION I A 004 MATRIX MULTIPLICATION A GO4 MATRIX OPERATION SIMPLE A 004 MEAN VARI STDR DEVIA I A 007 MULTIPLE LINEAR REGRESSION A 004 NORMAL DISTRIBUTION A 006 NTH DRDER REGRESSION A 004 NUMBER COMBINATIONS A 002 PARABOLA PLOT A 003 PERMUTATION COMBINATION I A 007 PERMUTATION COMBINATION II A 003 POISSON DISTRIBUTION A 006 POLAR EQUATION PLOT A 011 POLYFIT A 013 POLYNOMIAL REGRESSION A 006 POWER CURVE FIT (C) A 003 PRIME FACTORS I A 006 PRIME FACTORS II A 003 QUADRATIC FORMULA A 006 QUADRATIC SURFACE A 015 RIGHT TRIANGLE SOLVER A 016 ROOT FINDER A 005 ROOTS OF POLY HALF A 005 ROOTS OF POLYNOMIALS A 004 SIMPSON'S RULE A 004 SIMULTANEOUS EQUATIONS A 004 T DISTRIBUTION A 005 T DISTRIBUTION TEST A 003 TRAPEZOIDAL RULE A 005 TRIANGLE FACTORS A 007 TRIANGLE PARTS A 003 TRIG POLYNOMIAL A 004 VECTOR ANALYSIS A 003 VECTOR OPERATIONS

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005 AAA MESSAGE OOG ADDITION QUIZ 015 COIN TOSS & BINOMIALS 1 014 EQUATIONS 004 GROUP AVERAGES DOS MATH DIVISION 1 1 016 PRIMES & FACTORS->NEEDS WORK

Math & Statistics 176 A 005 AAA MESSAGE A 005 AVERAGES A 007 CHESS BOARD A 009 COMPOUND INTEREST TABLES A 007 COMPRESSION RATIO A 007 CONSECUTIVE REACTIONS A 005 CYCLDID A 006 EQUIPROBABLE A 012 FOURIER TRANSFORM HIRES A 005 FUNCTION PLOT I A 005 FUNCTION PLOT IA A 006 FUNCTION PLOT II A 012 FUNCTION PLOTTER I A 013 FUNCTION PLOTTER II A 006 FUNCTION ZEROS A 012 GAMBLERS RUIN T 003 GRANTS 100 T 006 GRANTS 400 T 002 GRANTS 50 A 015 HISTOGRAM PLOT A 008 HYPERBOLA A 016 INTEGRATION A 006 LISSAJOUX A 005 MATH TOTALS A 020 MATH WILLIE WORM A 017 METRIC AREA A 004 METRIC GAS PRICE A 005 METRIC KELVIN TEMP A 017 METRIC KITCHEN A 015 METRIC LENGTH A 004 METRIC TEMP A 020 METRIC TEMP OR WEIGHT A 007 METRIC TEMPERATURE A 026 METRIC VOLUME A 005 MONTE CARLO A 003 POLAR ANGLES A 007 POLAR CODRDINATES

#### I 016 MUSIC POTPOURKI I 019 MUSIC SMALL WORLD I 012 MUSIC SYNTHESISED I 012 MUSIC TEMPERED SCALES I 016 MUSIC VOICE I 021 MUSIC WRITER 1 I 024 MUSIC WRITER 2 I 002 MUSIC WRITER 2 DOC I 007 BOUND EFFECTS MUZAK I 009 SOUNDS BY HART I 004 SOUNDS ROUTINE A 005 XMAS SONG PRINTED

Music & Sound 183 I 005 AAA MESSAGE *T 003 AMERICA I 012 HANDN ETUDE #1 IN C *T 002 HAPPY BIRTHDAY A 015 HARMONIC ANALYSIS I 019 MUSIC COMPUTER I 036 MUSIC FUNCTIONS I 011 MUSIC GEE I 023 MUSIC IN IB I 014 MUSIC MAKER I 017 MUSIC MOZART THEME I 007 MUSIC RIGBY A 004 MUSIC START I 030 MUSIC TWO VOICES T 022 MUSIC WRITER 3 I 008 MUSICAL KEYBOARD B 002 MUSICAL KEYBOARD.X A 017 MUSICAL MEMORY I 010 NAME THAT TUNE I 007 SOUND EFFECTS DEMOS A 005 SOUND EFFECTS HOW TO . I 007 SOUND EFFECTS RANDOM A 003 SOUND ROUTINE I 011 SOUNDS AND MUSIC STARWARS I 006 SWANEE RIVER *T 038 TUNES

#### Music & Sound 184

I 005 AAA MESSAGE I 026 APPLEODIAN 2<-NEEDS WORK I 018 MAESTRO INTRO B 037 MAESTRO.DATA1 B 037 MAESTRO.DATA2 B 037 MAESTRO.DATA3 B 037 MAESTRO.DATA4 B 037 MAESTRO. DATAS A 004 TONE TEST B 002 TONE TEST.X

#### Music & Sound 182

A 014 SIMULTANEOUS EQN AND MATRIX

I 005 AAA MESSAGE 1 002 MUSIC ALLEY CAT B 004 MUSIC ALLEY CAT.X 1 056 MUSIC APPLE ORGAN 1 025 MUSIC APPLEODION I 013 MUSIC BACCH B 020 MUSIC BACH 1 014 MUSIC BACH SQUARES 1 I 017 MUSIC BACH SQUARES 2 I 003 MUSIC BUGLE 021 MUSIC CHILDRENS 018 MUSIC FLAG 009 MUSIC ODE TO JOY 037 MUSIC PAK 1

A 006 POLL

A 005 ROSETTE

A 006 SPHERICAL

A 023 SPIRAL2

Passion 190 A 005 AAA MESSAGE A 002 FORM O STARTUP B 034 FORM 1 B 034 FORM 2 B 034 FORM 3 B Q34 FORM 4 B 034 FORM 5 B 034 FORM 6 9 034 FORM 7 B 034 FORM 8 B 034 FORM 9 A 005 HOT APPLES I A 006 HOT APPLES II

A 013 TOUCH I A 013 TOUCH II I 013 ZOOM 1 I 013 ZOOM 2

#### Passion 191

I 005 AAA MESSAGE A 006 PASSION STARTUP 034 APPLE PET I 002 CUBIK 1 003 CUBIK 2 I 028 CUBIK-1 B 017 CUBIK-1 (A\$0B00/L\$0FB3) I 002 EXERCISE 1 I 002 EXERCISE 2 I 002 EXERCISE 3 I 002 EXERCISE 4 I 002 EXERCISE 5 I 002 EXERCISE 6 I 002 EXERCISE 7 I 002 FR B 034 FRENCH I 002 GE 9 034 GERMAN I 002 IR B 034 IRISH I 002 IT B 034 ITALIAN 002 RANDOM HELLO 9 034 RANDOM. OBJ I 002 RU B 034 RUSSIAN I 002 SP B 034 SPANISH I 002 SW B 034 SWEDISH

#### Passtime & Other 196

A 005 AAA MESSAGE A 028 ANALYST ELIZA A 013 ANALYST HECTOR A 003 BABY NAMES A 034 BIO CYCLE A 003 BIRTHDAY PROBABILITY A 015 BOOZE N YOU A 008 CALENDAR I A 023 CALENDAR II A 004 DAY OF THE WEEK I A 006 DAY OF THE WEEK II A 005 DAYS BETWEEN TWO DATES A 017 DECISION MAKER I A 02B DECISION MAKER II A 014 ELECTRICITY COST (C) A 007 ESP TEST A 030 FREUD A 019 GRAMMAR MAD LIB A 006 GREETINGS A 023 HOUSE PLANTS A 007 JUMBLES MNEMONIC A 003 LADDER ANGLE SAFETY A 010 LIFE BAKER A 010 MAP CHECK A 006 MIND READER A 002 ONE LINER 2 ? A 003 SAILBOAT STAYS A 015 TOUT A 003 VOWEL FINDER A OOB WATER CONSERVATION A 021 WEATHER FORECAST A 014 WEEKDAY FROM 1502

#### Passtime & Other 197

I	005	AAA MESSAGE
I		AD LIB 1
I	032	ANALYST COMPUTER 2
1	040	ANALYST ELIZA
I	010	CALENDAR PERPETUAL
I	052	COMPUTER RALPH
I	009	CROSS WORD
I	022	DECISION MAKER
Ţ	008	HOW DO I LOVE THEE
Ī	009	IQ TEST
I	006	LIFE COLOR
1	019	LIFE CONWAY
I	011	LIFE GANDERS 1
I	020	LIFE GANDERS 2
I	015	LIFE HERTZFELD
1	003	MIRROR PRINT IMAGE
I	005	PHONE MNEMONIC 2
Ι	026	POET
I	006	RANDOM WORDS 2
I	003	STOP WATCH

1 003 TEASER

I 039 TRILLION STORIES

I 003 UNBELIEVABLE

#### Passtime & Other 198

035 TRILLION STORIES->NEEDS WORK

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A 005 AAA MESSAGE
A 04B BIORHYTHMS
A 011 CALENDAR ONE MONTH
A 007 CALENDAR PERPETUAL
A 020 CALENDAR REMINDER
I 020 COLOSSUS
A 011 DECISION MAKER III
I 063 DIRTY TRICKS BEWARE
"A 025 DIRTY TRICKS II
B 018 DIRTY TRICKS.X
I 020 HDROSCOPE
A 026 MILES PER GALLON RECORD
 I 074 NUMEROLOGY
 I 002 PHONE MNEMONIC 1
B 003 PHONE MNEMONIC 1.X
A 010 PROBABILITY
A 021 RANDOM INSULTS
I 002 RANDOM WORDS 1
I 003 SYN TAX
I OOB TIMER
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#### Dacctima & Other 100

P	as	stime & Other 199	X:
I	005	AAA MESSAGE	
I	016	ANALYST COMPUTER 1	
I	006	CALENDAR	
1	002	CLASSIFIER	
В	044	CLASSIFIER.X	
Ţ	011	EASTER DATES	
I	055	ENGLISH QUIZ	
I	007	GRAMMAR AND BEAUTY	
1	033	HAIKU POETRY	
1	021	LIFE OPERATING SYSTEM	
Ð	003	LIFE OPERATING SYSTEM.X	
Î	009	LIFE SUPER	
Ð	006	LIFE1.LIFE	
₿	006	LIFE2.LIFE	
B	006	LIFE3.LIFE	
В	006	LIFE4.LIFE	
Ŗ	006	LIFE5.LIFE	
		SS 02002 <b>4</b> 0	

## Utility 215 I 009 MEMORY AID

I 077 MULTI->NEEDS WORK

I 016 PHOTO COLOR QUIZ

I 025 PHOTO FILTER QUIZ

I 008 PEN 4 ?

I 021 PENTOMINO

Utility 214

A 005 AAA MESSAGE

A 003 ALPHABETIZE

A 003 APPEND FILE

A 002 AUTOBOOT 16

B 004 AUTOBOOT 16.X

A 005 BSTAT HOW TO

A 003 CATALOG SORTER

A 003 COMMAND GENERATOR

B 002 COMMAND GENERATOR. X

A 002 COMP-X MONITOR (C)

A 004 DOS COMMAND FINDER

A 012 DOS SHORT COMMANDS

B 002 DOS SHORT.RESTORE

B 002 DOS SHORT COMMANDS.X

A 014 DUMP TRACK AND SECTOR

A 005 FREE SECTORS DOS PATCH

B 002 JUMP POINTS DOS 3.2.X

A 013 EXEC FILE GENERATOR

A 002 JUMP POINTS DOS 3.2

I 017 LIBRARY REVIEW INPUT

A 019 LIBRARY REVIEW

A 005 LITERAL INPUT

A 003 MEMORY CLEAR

A 003 NOTOR SPEED DOC

A 005 NAMES FILE EXCH

A 907 NAMES FILE READ

A 004 PRINT USING I

A 005 PRINT USING II

A 005 SORT WORDS II

A 005 REMOVE STRING SPACES

A 012 SORT NUMBERS WOODRUM

A 005 STRING REVERSE FUNCTION

B 002 SUPER CATALOG BUILDER.X

A 004 TOKEN ADDRESS TABLE II

A 005 TOKEN ADDRESS TABLE III

A 009 SUPER CATALOG BUILDER

A 005 SYSTEM CONFIGURATION

A 009 SORT QUICK ALPHA

A 006 SORT QUICK NUMBER

A 007 STRING SAVE DEMO

A 004 TAPE RECALL DATA

A 006 VARIABLES DISPLAY

A 013 YES NO AND PAUSE

A 004 TAPE STORE DATA

A 003 THROTTLE

A 007 NAMES FILE CREATE

I 008 MOTOR SPEED

T 002 NAMES

A 004 LOMEN HIMEM AB

B 004 MEMORY CHECK 6502

B 006 LIBRARY REVIEW.X

A 004 LIBRARY INPUT CORRECTOR

A OOB MEMDRY AVAILABLE RAM ONLY

A 005 DOS COMMAND FINDER REV

8 016 COMP-X MONITOR.X

A 006 DEBUGGING AID

A 004 DECIMAL POINT

T 002 EXEC FILE

T 009 LIBRARY 1

T 002 LITERAL

A 002 BSTAT II

043 BASIC-APPLESOFT

I	005	AAA MESSAGE
I	013	APPEND B TO AB FILES
I	006	BASIC INTERPRETER SET
Α	004	BASIC-INTEGER
₿	022	BASIC-INTEGER.X
I	007	CATALOG TRACK LISTER
Ĩ	003	CHARACTER GENERATOR INSTR
I	017	CHARACTER GENERATOR PROGRA
Ĭ	015	CHARACTER GENERATOR SAMPLI
Ī	015	CHARACTER GENERATOR YOURS
1	011	COPY ALDRICH 1
1	013	COPY ALDRICH 2
1	014	COPY ALDRICH 3
I	003	COPY BINARY FILE 1
I	005	COPY BINARY FILE 3
I	018	COPY GWB 1
Ī	018	COPY GWB 2
Ī		COPY LHS
B	009	CDFY LHS.X
Ī	013	DISK MARK
Ī	002	DOS VERSION?
Ī		DUMP HIRES PIC
В		DUMP HIRES PIC.X
8		DUMP HIRES PIC.Y
ī		EDO DOC
B		ED1
I		ED2
Ţ	002	
ĭ	013	
В		EDIT/ASSM
I		EXEC FILE CREATE
Ī		FRESH DOS
Ī		HIT ANY KEY TO CONTINUE
Ī		LIST PAGE
Ţ	140-1406-1600-1	LIST SLOW 1
B		LIST SLOW 1.X
I		LIST SLOW 2
В	- 13	LIST SLOW 2.X
I		LIST STOP IB
1		LIST VERY SLOW
		LIST VERY SLOW.X
₽,	- 13 BY	LOMEN HIMEN IB
I I		LOOP
I		NO VOL ID CHK 3.1 ONLY
要		PADDLE SWITCH TEST
I I		PDL SWITCH COLOR TEST
		POKE MACH LANG INTO MEM
I		RAM TEST 48K
Ĭ	33	
I		REPLACE CRASHED DOS
l		SHORTEN COMMANDS
1	032	TAPE DATA DISPLAY

#### Utility 216

SSAGE
ONVERSION CHART
ONVERSION CHART
ONVERT **
ONVERT BEYMER
ONVERT ELLMERS
ONVERT JENKINS
ONVERT MASSIMO
APPLESOFT
TO FF
AR AND POSTERS
E A PROGRAM
IG PRINTER
MEMORY

I 002 TITLE CENTERING ROUTINE

I 003 TYPING VERTICAL

1 006 UPPER LOWER CASE

#### COPY TEXT FILE I A 005 RESTORE LINE COPY TEXT FILE II A 006 ROMAN NUMBERS COPY TEXT FILE III A 009 SORT ALPHA CTRL CHAR CATALOG A 006 SORT ALPHA OR NUMBR I TETRL CHAR REVEAL A 008 SORT ALPHA OR NUMBR II DUMP ASCII MEMORY A 005 SORT ALPHA SHEL-METZ ERASE HIRES SCREEN A 009 SORT AMPERSAND B 008 SORT AMPERSAND.X FREE SECTORS ALDRICH B 033 SORT AMPERSAND.Y FREE SECTORS BROWN A 007 SORT HEAP FREE SECTORS BROWN.X A 008 SORT HEAP REV TILLEGAL COMMANDS B 00B SORT ML LIST PAGE DIAZ A 003 SORT NUMBERS OS LIST PAGE WYSOCKI A 005 SORT NUMBER SHEL-METZ 12 LIST PAGE WYSOCKI.X A 003 SORT SHEL-METZ 2 LIST PAGE.X A 007 SORT WORDS I MACH TO POKES CONV A 003 TAPE SPEED TABLE 12 MUSICAL KEYS A 008 TYPE SETTER 102 MUSICAL KEYS.X 3 PHONE DIALER W3 POINTERS 102 PR#6 ON RESET

03 RANDOM SENTENCE

FREM STRIPPER DOC

M4 RENUMBER MERGE

103 REVERSE PRINT

UB SORT CATALOG

102 SORT CATALOG.X

04 TEXT FILE EDIT

03 TEXT FILE PEEK

03 TEXT FILE READ

05 TEXT FILE WRITE

tility 217

005 AAA MESSAGE

003 BENCHMARK

003 BSTAT I

MO3 BUTCHER

002 DUMP PAGE

1029 EDIT FILE

4003 FORMAT \$

2005 FORMAT %

005 IB TO AB

005 LIST STOP AB

004 DUMP PAGE.X

A23 EDIT FILE DOC

006 FORMAT & AND CTS

027 INTEGER @ \$6000-TAPE

027 INTEGER @ \$A000-TAPE

004 INVISIBLE SIGNATURE

008 RESTORE DELETED FILES

002 BUTCH

007 AUTO NUMBER I

002 AUTO NUMBER I.X

043 BASIC-APPLESOFT

Old CHARACTER DECODER

023 DUMP MEMORY AND ALTER

NOS BASE CONVERT EDMUNDS

04 TOKEN ADDRESS TABLE I

105 UTILITY STATEMENTS

04 STRING COMPARATOR

15 SSM ALO BOARD

IN RENUMBER MERGE.X

03 SORT CATALOG->NEEDS WORK

04 STRING IN A STRING SEARCH

03 TEXT FILE READ AND PRINT I

05 TEXT FILE READ AND PRINT II

12 REM STRIPPER

OL REN/MRG

WA RENUMBER

		427
U	til	ity 218
İ	005	AAA MESSAGE
1	006	AUTHORSHIP
İ	005	BASE CONVERSION CHART
28.65		BASE CONVERT
		BASE CONVERT GARSON
		BASE CONVERT WILLIAMS
Î		BASE CONVERT WILLIAMS GOLDING
100		BASIC->MONITOR
A		BASIC-INTEGER
В		BASIC-INTEGER.X
I		CATALOG BUILDER
3773	35 (S)	CATALOG LISTER
		COPY BINARY FILE 2
Ţ		COPY SINGLE DRIVE 1
Ī	005	- 180 B. 18 B. 18 B. 18 B. 18 B. 18 B. 18 B. 18 B. 18 B. 18 B. 18 B. 18 B. 18 B. 18 B. 18 B. 18 B. 18 B. 18 B.
		CTRL CHAR FIND
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-33		DISK SPACE SUMMARY
		DISK TO TAPE ALDRICH
		DISK TO TAPE DUMP
		DISK TO TAPE DUMP.X
		DISK TO TAPE DUMP.Y ?
В		DISK TO TAPE SAVE 6
		DISK TO TAPE SAVE 6 REV
100		DISK TO TAPE WRITE
I		DOS COMMAND CHANGER
		DUMP DISK OR TRACK
253		DUMP DISK OR TRACK (C) 1
		DUMP DISK OR TRACK (C) 2
32		DUMP DISK OR TRACK (C) REV
1	en a de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición della c	FILE HANDLER SAMPLE
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		LIST STOP
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8		MAP SECTORS PAYMAR 1.X
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1		MASTER KEY->NEEDS WORK
I		MEMORY SPYING
I		MEMORY TEST FAST
I		MEMORY TEST SLOW
I		MOVIT BYTES
I	002	MUSICAL KEYS
B	002	
Ī		PASSWORD KEY
I	005	PATTERN SEARCH
I		SECTOR RECOVER
Ì	007	SECTOR RECOVER DOS

I	00B	STRIN	46 COM	CATEN	IAT	ION	
1	004	TEXT	FILE	CREAT	ſΕ		
I	003	TEXT	FILE	READ			
1	005	TEXT	FILE	READ	OR	WRITE	1
I	006	TEXT	FILE	READ	OR	WRITE	2
Ī	003	TEXT	FILE	WRITE			
I	007	TEXT	TOKEN	FINE	)		
B	002	TEXT	TOKEN	I FINI	). X		
B	007	VTOC	RECON	ISTRUC	T		
I	003	VTOC	RECON	NSTRU	CT	DOC	

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Utility 219
I 005 AAA MESSAGE
I 006 AUTO NUMBER
A 004 BASIC-INTEGER
B 022 BASIC-INTEGER.X
I 004 BSTAT DECIMAL
I 009 BSTAT GOLDING TAYLOR 1
I 009 BSTAT GOLDING TAYLOR 2
I 006 BSTAT HERTZFELD FONG 1
I 005 BSTAT HERTZFELD FONG 2
I 007 BSTAT HERTZFELD FONG HOAG
I 009 BSTAT LHS. 1
I 017 BSTAT LHS 2
I 002 SSTAT LHS 3
B 008 BSTAT LHS 3.X
I 002 BSTAT LHS 4
B 008 BSTAT LHS 4.X
I 002 BSTAT LHS 5
B 009 BSTAT LHS 5.X
1 012 BSTAT TUBS
I 014 CATALOG INPUT
1 004 CATALOG LAZY
I 020 CATALOG PROCESS
B 003 CATALOG PROCESS.X
I 006 DELETE FILES
1 002 DISK FULL FLASHING
I 002 DISK FULL INVERSE
I 019 DISK HELPER
I 002 DUMP PAGE
B 004 DUMP PAGE.X
I 003 EDIT 2
B 002 EDIT 2.X
I 005 EDIT SUBJEUT
I 003 FREE SECTORS
I 002 FREE SECTORS OR SO
B 002 FREE SECTORS OR SO.X
I 010 FREE SECTORS PORTER
I 003 INVERSE FLASHING
I 005 LIST AND LOCATE->NEEDS WORK
I 003 LIST SLOW PDL 0
I 005 LIST STOP DUNMIRE
1 013 LISTER
I 006 LOCK FILES
1 009 LOWER CASE INPUT DEMO
I 002 MAP SECTORS LHS
8 005 MAP SECTORS LHS.X
I 010 MAP SECTORS PAYMAR 2
 I 017 MAP SECTORS->NEEDS WORK
I OOB MEMORY AVAILABLE 32K DNLY
I 004 MEMORY TEST WAXER
I 003 RAM TO ROM AB
I 012 RENUMBER
I 008 RENUMBER APPEND
 I 004 RENUMBER WARNING
I 002 SECTOR COUNT FIX
9 005 SECTOR COUNT FIX.X
I 005 SECTOR READ WRITE
B 003 Z APPEND
I 003 Z APPEND MEMTEST VERIFY DOC
B 003 2 MEMTEST
```

B 002 I VERIFY

#### WHAT IT ALL MEANS....

- Integer BASIC Program A - Applesoft BASIC Program

B - Binary Program (Assembly Language)

- Text File (Data File)

* - File is LOCKED

HELLO - Program Title

003 - Program Size in Disk Sectors

#### Utility 220

A 005 AAA MESSAGE B 012 ALL PURPOSE DISASMB. (800) B 012 ALL PURPOSE DISASMB. (8800) A 012 AMPERSAND CATALOG A 009 APPLEBETIZE 003 APPLESOFT TO TEXT (EXEC) I 006 APPLEWRITER TO TEXT B 002 APPLEWRITER TO TEXT. OBJ I 002 ASSEMBLER B 021 ASSEMBLER.X A 013 AUTO NUMBER II A 010 AUTOSTART ROM EDITOR B 002 AUTOSTART ROM EDITOR.X A 006 BACKWARD MEMORY MOVE A 007 BASE CONVERT T 002 BINADE A 003 BINADR CREATE A 007 BINARY LINK TO AB B 002 CMP D1 & D2 AFTER COPY A 002 COPY LHS B 009 COPY LHS.X A 004 CREATE RESTORE LN A 007 CTRL CHAR FIND A 002 CURSOR DASH A 003 CURSOR NO FLASH B 002 DFIND A 003 DFIND & FIND INSTR B 002 FIND A 004 GARBAGE A 005 HIDE PROGRAM NAME T 004 INTEGER TO TEXT (EXEC) B 002 KEYEDIT A 034 KEYEDIT & UTILITY DOC T 002 LINE INPUT A 005 LINE INPUT IMPROVED B 005 LIT B 002 LITE A 009 MEM/DUMP TO TEXT FILE A 006 MEMORY INTERPRETER A 004 POKE FILE A 009 RAM TEST 48K B 005 REF B 002 REF@ A 004 REM FORMATTER I 007 TEXT FILE DUT/CPY A 010 TEXT FILE OUT/CPY (FP) A 004 TEXT FILE RANDOM DISPLAY A 006 TEXT FILE RANDOM FROM SEQ A 003 TEXT FILE WRITER A 005 TEXT TO APPLEWRITER B 005 TEXT TO APPLEWRITER.X B 005 VAR B 002 VAR€

A 005 VOLUME NAME CHANGER I

A 002 WORD REPEATER

A 003 WORDS

A 009 VOLUME NAME CHANGER II

#### Utility 221

I 005 AAA MESSAGE

A 004 BASIC-INTEGER B 022 BASIC-INTEGER.X I 002 BODTLEG ASSEMBLER B 026 BOOTLEG ASSEMBLER.X I 010 CLOCK CARD HELLO WARD 1 008 COPY SINGLE DRIVE 2 I 011 DISASSEMBLE MACHINE CODE I 009 DISK BUICK I 010 DISK UTILITY 1->NEEDS WORK I 018 DISK UTILITY 2->NEEDS WORK B 002 DISK UTILITY.X I 008 ENTRY POINTS I 002 JUMP POINTS BASIC B 002 JUMP POINTS BASIC.X I 011 MAP A FILE B 005 MARKEE BOC B 006 MARKEE (ML) I 013 MARKEE-)NEEDS WORK I 010 POST EDITOR T 003 REM FORMATTER IN IB B 003 SWITCH I 004 SWITCH DOC B 003 SWITCH SETUP I 005 TAPESAVE 2 B 013 TED II ASCII DRIVER I 005 TED II ASSM LOAD SAVE B 022 TED II ASSM.X B 014 TED II BAUDOT DRIVER B 089 TED II SOURCE B 012 TEDISSEMBLER.S ? I 004 TEXT FILE CLIST CREATE I OOB TRACE B 003 TRACE.X I 012 VOLUME # CHANGER T 002 XREF I 004 XREF DOC B 004 XREF LINE # TABLE.X B 004 XREF SYMBOL TABLE.X

Utility 222 A 005 AAA MESSAGE 8 002 ASCII 9 013 ASCII PRINTER DRIVER I 003 BAUD RATE I 005 BAUD RATE ADJUSTMENT B 002 BAUD RATE.X B 002 DRIVER A768 L176

A 005 H14 DOCUMENTATION B 002 H14 DRIVER. \$300 B 002 H14 DRIVER. \$390 8 002 H14 DRIVER.\$800 B 002 H14 DRIVER. \$9500 B 003 H14 DRIVER. A\$C100. L\$FF B 002 HI4 DRIVER APMAIL A 004 H14 INSTRUCTIONS I 004 ID 440 SCREEN DUMP B 003 ID 440 SCREEN DUMP.X I 003 IDS 255 PRINTER DEMO A 048 IDS-440 LABEL MAKER A 005 LABEL NUMBERING T 002 LISTER A 009 LISTER TRENDCOM 200 A 005 PAPER TIGER HGR DUMP B 003 PAPER TIGER HGR DUMP. X B 034 PAPER TIGER.PIC A 002 PICTURE LOADER A 030 PRINTER CENTRONICS 779 I 009 PRINTER IDS I 006 PRINTER IDS SETUP 1 I 010 PRINTER IDS SETUP 2 I 010 PRINTER IP 125 B 002 PRINTER PATCH A 021 PRINTER PATCH DOC A 011 PRINTER PR40 BANNER A 007 PRINTER PR40 JUSTIFY A 003 PRINTER QUICK DBC B 002 PRINTER QUICK DRIVER 9 008 RTTY A2048 L1535 I 003 SILENTYPE BOLD PRINT B 002 SILENTYPE BOLD.X B 002 TTY A880 L234 B 002 TTY BAUDOT B 013 TTY BAUDOT DRIVER

B 009 TTY BAUDOT DRIVER MICRO #14

#### Utility 223

B 005 TWO TONE ALARM

I 005 AAA MESSAGE I 025 APPLEADDIX A 006 APPLEADDIX NOTES I 002 AUTOBOOT 16 B 004 AUTOBOOT 16.X A 004 BASIC-INTEGER B 022 BASIC-INTEGER.X I 019 CATALOG CREATE I 002 COPY LHS FAST B 010 COPY LHS FAST.X I 023 COPY MOGER 1 I 025 COPY MOGER 2 8 005 FILE #1 I 003 FILE DISK CATALOG B 026 FILE DISK CATALOG.X I 009 FREE SECTORS SCOGIN (C) B 003 M-A\$300L\$100 B 003 M1-A#800L#180 B 003 M2-A\$B00L\$160 I 018 MAP SECTORS PAYMAR 3 I 015 MEMORY ADDRESSES B 002 MX-A#900L#B0 I 008 RENUMBER->NEEDS WORK I 033 SUBROUTINE PAK I 016 TYPEWRITER+SOUND ROUTINE I 019 UPDATE 16 I 019 UPDATE 16 REVISED I 002 UPDATE 16 WARNING A 040 X-FILE CABINET IV

I 024 X-MULTIPLE DISK CATALOG

224 A 002 EPSON LOWER CASE A QOS EPSON MX80 CATALDS MESSAGE A 005 EPSON MX80 DEMO I END BINARY TO APPLESOFT A 007 EPSON MX80 DEMO II MESOFT LINE WRITER A 024 EPSON MX80 LABEL MAKER I SETURE IB AB A 052 EPSON MX80 LABEL MAKER II TALOS ANALYSIS A 053 EPSON MX80 LABEL MAKER III TISK SUMMARY B 034 EPSON MX80 LABEL.PIC SUMMARY EDIT A 003 EPSON MX80 LETTERHEAD TEPLAY ASC PAGE BY PAGE A 015 EPSON MX80 PROGRAM LIST TAG CREDIT LINES A 023 EPSON MX80 REMINDER CALENDAR TAG EXEC A 033 EPSON MXBO SETUP I CAROR HANDLER A 033 EPSON MX80 SETUP II GREETING SUBROUTINE *A COS EPSON UTILITY 3.3 DEMO PARE BINARY TO BASIC *A 023 EPSON UTILITY 3.3 INFO PREFIX ADD A 022 EPSON WORD GAME REFIX ADD INSTR *A 003 EPSDN.EXEC.MAKER.A3.3 PREFIX REMOVE *I 003 EPSON.EXEC.MAKER.I3.3 PAM TEST 48K 30 MINUTES B 005 TEXT. DEMO B 004 TEXT. MXTEST READ TRACK T 002 XEPSON. V3.3 CMALL SORT V2 SSM AID CARD TEST DATA I TEXT FILE CHAR HEX DUMP UNDELETE

JUNDELETE 16 SECTOR

INDELETE INSTRUCTIONS

OF UNDELETE INSTR

AL PROG.LIST

IIIty 225

AS AAA MESSAGE

W2 BOOT 16

03 800T 16.X

04 BASIC-INTEGER

DIS DISK SPACE 13

DIT DISK SPACE 16

002 LINE FIND.X

tility 226

002 DIVERSI-DOS

tility 227

002 EP1.3

002 EP2.3

002 EP3.3

1003 EP4.3

005 AAA MESSAGE

102 EPSON CATALOG DBL STRIKE

LOS EPSON DRIVER INSTR

1007 EPSON DRIVER.

102 EPSDN GREETING

904 EPSON LABELS I

005 EPSON LABELS II

EPSON LABELS III

025 HELLO

14 ASMDIV

WOZ DISK SPACE 13.X

002 DISK SPACE 16.X

DO9 LINE FIND INSTR

22 BASIC-INTEGER. X

37 COPY SINGLE DRIVE 3

005 DISK FULL 3.2.1 INVERSE

MINDELETE 16 SECTOR ONLY !

#### AAA Title Library 250

A 002 FORMERLY LIBRARY 007 A 006 AAA MESSAGE A 005 HELLO 8 006 HELLO.X I 002 HELLO.Y B 042 INTBASIC A 066 DOCUMENTATION-REQ PRINTER 1 003 FILE DISK CATALOG *B 026 FILE DISK CATALOG.X B 009 FILE DISK MERGER. X B 111 FILE #A B 063 FILE #E B 068 FILE #L B 069 FILE #R

#### Utility 228

A 005 AAA MESSAGE A 009 EPSON HIRES DUMP (C) III A 005 EPSON HIRES DUMP INSTRUCTIONS B 003 EPSON.HIRES.OBJ I 008 CATCH (C) T 002 BRG A 004 TRIM T 002 TRIM. DAT T 002 TYMAC B 034 BESSEL B 034 BESSEL 2 **B 034 BURT** B 034 CHART B 034 CHESS B 034 DISNEY CHAR B 034 INVADERS B 034 PORTRAIT B 034 SCHEMATIC 024 SEVEN (C) A 010 EPSON HIRES DUMP (C) I A 010 EPSON HIRES DUMP (C) II A 009 EPSON DUMP IMPROVED (C) B 003 EPSON DUMP IMPROVED.X

#### Utility 229

A 002 ONE-KEY DOS *B 032 @CONVERTING *B 027 @FEATURES *8 015 @INTRO *B 011 @LICENSES *B 015 @TECH NOTES *B 020 @WHICH DOS *8 033 A.PIC *B 013 AUDREY *B 033 B.PIC *B 033 C.PIC *A 002 CONNIE *B 033 COVER.01 *B 033 D.PIC *8 007 DKEY *B 033 E.PIC *9 033 F.PIC *B 033 G.PIC *B 033 H.PIC *A 002 HELLO *A 006 MENU *A 010 SLIDE SHOW

*8 007 SUBS

*9 007 VERT

## Apple Bank 253

I 054 ADD LIBS (C) A 007 BASE CONVERTER (C) I 016 BLACKJACK 1 (C) A 022 BONE TUMOR DIAGNOSIS (C) I 026 CHASER (C) I 005 CHR\$ FUNCTION (C) I 007 COPY APPLE 1 (C) B 007 COPY APPLE 1.X I 019 HAMMURABI (C) I 009 MASTERMIND (C) I 010 MATH COLOR (C) I 006 MORSE CODE TRANSLATOR (C) I 008 NIGHTMARE 6 (C) I 009 OTHELLO (C) I 029 FINBALL (C) I 012 SINK THE SHIP (C) I 018 SLOT MACHINE (C) I 018 TOWERS OF HANDI (C) 1 008 TWENTY THREE BRICKS (C) I 028 U BOAT MISSION (C) I 045 YAHTZEE (C)

#### Apple Bank 254

A 015 AIRFOIL DESIGNER (C) I 048 AMERICAN PROBABILITY MACH (C) I 015 ART KALEIDOSCOPE (C) I 093 CA DRIVER TEST (C) I 014 COPY APPLE (C) 1 008 COPY APPLE 2 (C) B 007 COPY APPLE 2.X I 015 ENGINE (C) I 065 INFINITE MONKEYS TUTOR 2 (C) B 006 INTEGER HIRES I 022 INTERCEPT (C) A 030 MICROLISP (C) I 015 SHOOTOUT (C) A 011 UP LO CASE ROUTINE (C) B 003 UP LO CASE ROUTINE.X B 006 UP LO CASE ROUTINE.Y

#### PSCAL01:

TITLE.CODE	4	9-Dec-80	ó	Code
INTRO. TEXT	26	15-Feb-80	10	Text
POLICY. TEXT	18	30-Mar-80	36	Text
BUGS. TEXT	18	9-Aug-80	54	Text
DOS3.2A.TEXT	42	28-Jan-80	72	Text
DOS3.28.TEXT	42	28-Jan-80	114	Text
DOS3.2C.TEXT	14	14-Jul-80	156	Text
COMBINES. TEXT	8	9-0ct-79	170	Text
COMBINES.CODE	4	5-Apr-80	178	Code
CHASE. TEXT	22	22-Nov-80	182	Text
CHASE.CDDE	10	22-Nov-80	204	Code
LIST. TEXT	12	4-Feb-80	214	Text
LIST.CODE	5	5-Apr-80	226	Code
INTRINSIC. TEXT	6	7-May-80	231	Text
UNITS.DOC.TEXT	12	12-Mar-80	237	Text
TYPESET, TEXT	12	29-Nov-78	249	Text
TYPESET.CODE	5	5-Apr-80	261	Code
UNIVERSAL. TEXT	12		266	Text
( UNUSED )	2	200	278	
18/18 files, 2	นกษระด	l, 2 in lar	gest	

#### PSCAL02:

PILOT.TEXT	12	5-Jul-80	6	Text
PILOT.CODE	8	5-Jul-80	18	Code
PILOT. DOC. TEXT	16	5-Jul-80	26	Text
PRETTY.CODE	11	5-Apr-80	42	Code
PRETTY. TEXT	36	2-Oct-79	53	Text
PRETTY. DOC. TEXT	10	14-Feb-80	89	Text
FORMAT2. TEXT	28	16-Nov-79	99	Text
BLACKJACK. TEXT	20	27-Nov-80	127	Text
BLACKJACK.CODE	8	27-Nov-80	147	Code
FORMAT. TEXT	20	16-Nov-79	155	Text
FORMAT.DOC.TEXT	30	18-Feb-80	175	Text
FORMAT.CODE	20	5-Apr-80	205	Code
FORMATI.TEXT	34	13-Nov-79	225	<b>Text</b>
FLOWER. TEXT	6	5-May-80	259	Text
STARS. TEXT	6	6-May-80	265	Text
SQUARES. TEXT	4	6-May-80	271	Text
( UNUSED >	5		275	
16/16 files, 5 w	nused	, 5 in lar	gest	

### PSCALO3:

				3.5	
DRAWLINE.TEXT	6	9-Oct-B0	6	]ext	
DRAWLINE, CODE	2	9-0ct-80	12	Code	
YOTGEN. TEXT	24	B-Aug-80	14	Text	
HOTGEN. CODE	8	1-Aug-80	38	Code	
NUD. BUIDE. TEXT	16	4-Aug-80	46	Text	
MUD. PROC. TEXT	10	4-Aug-80	62	Text	
1UD.PROC.CODE	3	4-Aug-80	72	Code	
ORE. MUD. TEXT	8	14-Aug-80	75	Text	
NUO.TEXT	34	4-5ep-80	<b>B</b> 3	Text	
NUD. CODE	15	4-Sep-80	117	Code	
SIEVE.CODE	2	11-Dec-79	132	Code	
FILEIO.TEXT	6	22-Jun-80	134	Text	
FILEIO.CODE	3	22-Jun-80	140	Code	
CM. TEXT	4	3-Nov-79	143	Text	
CM.CODE	2	3-Nov-79	147	Code	

2 7-Sep-79 149 Code GCD2.CODE 6 7-Sep-79 151 Text GCD2.TEXT 4 9-Oct-80 157 Text KEADME. TEXT 4 9-Oct-80 161 Text SIEVE.TEXT 6 10-May-80 165 Text RND. SORT. TEXT 4 11-May-80 171 Text RANDOMPLOT.TEXT & 14-Dec-80 175 Text PRINT.OUT.TEXT 6 27-May-80 181 Text SHELL.SORT.TEXT 8 29-May-80 187 Text FIGURE. TEXT 12 30-May-80 195 Text COLOR.BAR.TEXT POLOR.EX.TEXT 4 4-Jun-80 207 Text 6 25-Jun-80 211 Text REALSTR.PC.TEXT 12 25-Jun-80 217 Text POLORGRAPH.TEXT 12 26-Jun-80 229 Text POLORLOOP.TEXT EPICYCLOID. TEXT 14 3-Jul-80 241 Text 14 3-Jul-80 255 Text HYPO. THREE. TEXT 8 4-Jul-80 269 Text CYL. TEXT 277 ( UNUSED )

32/32 files, 3 unused, 3 in largest

#### PSCAL04:

12				
PASCALZAP.TEXT	10	i-Mar-Bi	6	Text
PRINTNET. TEXT	24	26-Dec-80	16	Text
KINETICART. TEXT	10	15-Feb-81	40	Text
KINETICART.CODE	4	15-Feb-81	50	Code
PASCALZAP.CODE	6	1-Mar-Bi	54	Cade
TIGERPROC. TEXT	4	8-Nov-80	60	Text
PRINTNET.CODE	8	26-Dec-B0	64	Cade
SAILCALC. TEXT	16	20-Dec-80	72	Text
SAILCALC.CODE	11	20-Dec-80	88	Code
CENTRON737.TEXT	6	20-Feb-81	99	Text
CENTRON737.CODE	4	20-Feb-81	105	Code
( UNUSED )	171		109	
11/11 files, 171	unus	sed, 171 in	larç	est

#### PSCAL05:

		358	500		
INTKORR. TEXT	6	17-Apr-80	6	Text	į
INTKORR.CODE	3	17-Apr-80	12	Code	
MONITOR, DATA		29-0ct-80	15	Data	
MONITOR, TEXT	6	29-Oct-80	23	Text	
MONITOR, CODE	3	29-Oct-80	29	Code	
SORTDEMO.TEXT	10	21-Sep-80	32	Text	
LINEFEED. TEXT	4	17-Oct-80	42	Text	
CROSSREF.CODE	3	8-Jan-80	46	Code	
CROSSREF. TEXT	8	8-Jan-60	49	Text	
SORTDEMO, CODE	4	2-Nov-80	57	Code	
LINEFEED.CODE	2	2-Nov-80	41	Code	
SYSTEM. CHARSET	2	14-Jun-79	, 63	Data	
SYSTEM. SYNTAX	16	11-Nov-80	65	Text	
SYNTAX. TEXT	4	12-Nov-80	81	Text	
SYNTAX.CODE	3	12-Hov-80	85	Code	
PI.TEXT	Ь	3-Feb-80	88	Text	
HANOI.TEXT	8	12-Nov-80	94	Text	
HANO1.CODE	3	12-Nov-80	102	Code	
P1.CODE	4	12-Nov-80	105	Code	
GENSORT. TEXT	10	20-Sep-80	109	Text	
SORTDEMO2. TEXT	4	12-Nov-80	119	Text	
SORTDEMO2.CODE	4	12-Nov-80	123	Code	
STARTUP. TEXT	6	12-Nov-80	127	Text	
GRUSS. TEXT	8	12-Nov-80	133	Text	
SYSTEM. STARTUP	4	12-Nov-80	141	Code	
( UNUSED )	135		145		
25/25 files, 135	unus	ed, 135 in	larg	est	
TOTAL STREET, SECURITY SECURITY 40 1000000000		CONTRACTOR SECTION	0.0144,000		

# Learn Pascal it's really

#### PSCALO6:

SYSTEM. ATTACH	7	6-Feb-81	6 Code
ATTACHUD.CODE	8	22-Dec-80	13 Code
DOC. O. TEXT	26	3-Mar-Bl	21 Text
DOC. I. TEXT	30	22-Jan-81	47 Text
DOC. 2. TEXT	16	4-Feb-81	77 Text
DOC. 3. TEXT		4-Feb-B1	93 Text
DOC. 4. TEXT	18	4-Feb-B1	115 Text
DOC.5. TEXT	28	4-Feb-81	133 Text
DOC. 6. TEXT		4-Feb-B1	161 Text
DOC.7. TEXT		4-Feb-81	185 Text
	2B	4-Feb-81	209 Text
ADNERG. CODE	. 2	2-Mar-81	237 Code
ADMERG. TEXT		2-Mar-81	239 Text
LIST. TEXT	0.003141603		245 Text
LIST. CODE	*		259 Code
FORTFIX.TEXT			263 Text
FORTFIX.CODE			275 Code
NOT.USED			
18/18 files, 0 un			**

#### PSCALO7:

PROSE. DOC. TEXT 56	13-Jul-80	6	Tex
PROSE. DOC2. TEXT 24	13-Jul-80	62	Tex
PROSE.PT.CODE 34	11-Oct-80	86	Cod
DCHAYSMODEM 2	15-Jul-81	120	Dat
MODEM.LIBRARY 40	8-Feb-81	122	Dat
LIST.TEXT 4	6-Jul-81	162	Tex
LOG. TEXT	18-1uL-6	166	Tex
README.TEXT 4	15-Jul-81	170	Tex
DUPE.N.LOG.TEXT 6	15-Jul-81	174	Tex
ANSWER. TEXT 24	6-Jul-81	180	Tex
ANSWER.CODE 30	6-Jul-81	204	Cad
( UMUSED ) 45		234	
11/11 files, 46 unuse	d, 46 in l	ırges	it

#### PSCALO8:

FOURLU.	٠.			
CLOCK.ALL.TEXT	40	26-Jul-B0	6 Text	*******
CLOCKSTUFF. TEXT	10	26-Jul-80	46 Text	
CLOCK. TEXT	18	26-Jul-80	56 Text	
CLOCK. DOC. TEXT	14	26-Jul-80	74 Text	
ACLOCK. TEXT	20	21-Oct-80	88 Text	
ACLOCK.CODE	5	21-0ct-80	108 Code	
TRAN. NOTE. TEXT	4	12-Jan-81	113 Text	
TRANSFER. TEXT	10	12-Jan-81	117 Text	
TRANSFER. CODE	5	17-Sep-80	127 Code	
DISASM. DBC. TEXT	8	4-Jan-81	132 Text	
ASM. SAMPLE. TEXT	4	2-Jan-81	140 Text	
DISASM. TEXT	26	2-Jan-81	144 Text	
DISASM. CODE	12	2-Jan-81	170 Code	
STARTUP. TEXT	4	10-Jan-81	182 Text	
STARTUP.CODE	3	10-Jan-81	186 Code	
			A. C.	٠.

# ## 10-Jan-81 189 Text ## 10-Jan-81 193 Code ## CODE ## CODE ## CODE ## 10-Jan-81 196 Text 2 10-Jan-81 204 Code ## 1.1. CODE ## 7-Jan-81 206 Text ## 7-Jan-81 214 Code ## 10-Aug-80 217 Text ## 10-Aug-80 223 Code

(iles, 54 unused, 54 in largest

### _...09:

SCALOS	•			
ourceK	4	\$5-Jul-8!	6	Data
MAIN.CLK TEXT 4	0	26-Jul-80	10	Text
KSTUFF.TEXT 1	Ü	26-Jul-80	50	Text
i i	В	26-Jul-80	60	Text
N.TEXT N.DOC, TEXT	4	26-Jul-80	78	Text
gga,TEXT 2	Ø	21-Oct-80	92	Text
ENDTE, TEXT	4	12-Jan-81	112	Text
ISFER, TEXT L	Ú	12-Jan-81	116	Text
SM.DOC.TEAT	B	4-Jan-81	126	Text
SM.TEXT 2	6	2-Jan-Bi	134	Text
SAMPLE, TEXT	4	2-Jan-81	160	Text
SHOTELT	4	10-Jan-81	164	Text
TA, TEXT	4	10-Jan-81	168	Text
	8	2-Feb-81	172	Text
pri TEXT	В	7-Jan-81	180	Text
0.0000000000000000000000000000000000000	6	10-Aug-80	188	Text
	4	10-Aug-80	194	Text
	6	14-Aug-80	198	Text
	6	14-Aug-80	204	Text
		26-Jul-79	210	Text
	4	19-Apr-80	214	Text
		18-Jun-81	218	Text
(27)	4	18-Jun-81	236	Text
222035555555555555555		100 Aug 100 Aug 100 Aug 100 Aug 100 Aug 100 Aug 100 Aug 100 Aug 100 Aug 100 Aug 100 Aug 100 Aug 100 Aug 100 Aug		

20 18-Jun-81 250 Text

8 18-Jun-81 270 Text

#### SCAL10:

25 files, 2 unused, 2 in largest

GETIME, TEXT	14	2-Jan-81	6	Text
AFORT. TEXT	6	6-Jan-81	20	Text
CKUNIT, TEXT	6	6-Jan-81	26	Text
KUNTI.I.CODE	4	2-Jan-81	32	Code
S.DOC.TEXT	6	13-Feb-81	36	Text
PRTUP, TEXT	4	14-Feb-81	42	Text
THER. TEXT	20	30-Sep-79	46	Text
EHRES. TEXT	10	12-Mar-81	66	Text
BREDIT.TEXT	24	12-Mar-81	76	Text
LOUPLEX. TEXT	8	1-Feb-81	100	Text
BOEH, TEXT	6	1-Feb-81	108	Text
PRITEKT	4	1-Feb-81	114	Text
EVECODE. TEXT	16	2-Feb-81	118	Text
MODENTEYT	12	3-Feb-81	134	Text
NEPOOL.TEXT	34	7-Feb-81	146	Text
BCAT. TEXT	12	12-Mar-81	180	Text
LOTLIENT	12	5-Jul-80	192	Text
OT.DOC.TEXT	16	5-Jul-80	204	Text
DIA ITYY	26	16-Mar-79		
TO THE PARTY		12-Mar-81		
MANUEL THUS		18-May-91		
BELLEHRU		18-May-81		
		15-Jul-81		
Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro				
²³ files, 2 u	LSEC	. 2 is lar	gest	

#### PSCAL11:

DIAPLOT.TEXT	18	4-Jul-80	6	Text
DIABLO, TEXT	24	26-Jul-79	24	Text
MINIPUB. TEXT	6	12-Jul-80	48	Text
MINIPUB.CODE	7	12-Jul-90	54	Cade
PLOTTEST.TEXT	4	4-Jul-80	16	Text
DIABLO-DOC. TEXT	22	21-Sep-80	65	Text
PRTPAGE.TEXT	10	2-Feb-81	97	Text
LOOKIT.TEXT	4	9-Feb-81	97	Text
LCPAT1.1.TEXT	Ь	28-Dec-80	101	Text
MODEDENO, TEXT	8	29-Aug-80	107	Text
TEMPLIBI.TEXT		25-Sep-80	115	Text
TEMPLIBI.CODE		25-Sep-80	125	Code
FLASHDEMD. TEXT	10	26-Sep-80	128	Text
FLASHDENO.CODE	b	26-Sep-80	138	Code
ERASEDEMO.TEXT		26-Sep-80	144	Text
DATEDENO.TEXT	6	26-Jul-79	156	Text
PROCLIBI. TEXT	6	15-Dec-80	162	Text
DCCTL.CODE	5	11-Jan-81	168	Code
DCCONTROL.TEXT	4	31-Aug-80	173	Text
DCCONTROL, CODE		28-Sep-80		Code
DC.CODE	5	11-Jan-81	180	Code
DCCTL. TEXT	38	11-Jan-81	185	Text
LANDER.TEXT	14	18-Jun-80	223	Text
ASEED. DOC. TEXT	16	9-feb-81	237	Text
ASEED.DOC.CODE	13	12-Feb-81	253	Code
README. TEXT	12	12-Feb-81	266	Text
< UNUSED >	2		278	
26/26 files, 2	unused	f, 2 in lar	gest	
•		The second second		

#### PSCAL12:

PAYROLL	2	15-Jul-8!	6	Data
FD. PARTS. TEXT	34	24-Oct-80	B	Text
FD. INTRO. CODE	7	15-Oct-80	42	Code
FD.PARTI.TEXT	28	23-Oct-80	49	Text
FD.PART2.TEXT	28	24-0ct-80	77	Text
FILEDEMO. TEXT	40	24-Oct-80	105	Text
FILEDENO.CODE	20	24-0ct-80	145	Code
FO.INTRO.TEXT	10	15-Dec-80	165	Text
README. TEXT	8	12-Mar-81	175	Text
DAILYLEDGER	2	15-Jul-81	183	Data
DAILYBUFF. TEXT	-4	27-Jul-81	185	Text
DAYLED. TEXT	16	27-Jul-81	189	Text
DAYLED.CODE	В	27-Jul-B1	205	Code
LEDGE. DOC. TEXT	. 4	(5-Jul-8)	213	Text
( UNUSED )	63		217	
14/14 files, 63	บทบรด	ed, 63 in	large	st

#### PSCAL13:

DTH. TEXT	14	8-Jun-80	6	Text
DRAW.TEXT	6	26-Jul-79	20	Text
TURTLE. TEXT	10	29-Jan-80	26	Text
PIECENAKER. TEXT	6	B-Jun-80	34	Text
DIFF.TEXT	24	26-Jul-79	42	Text
CHESS. TEXT	14	31-Jan-80	66	Text
OTHELLO.TEXT	14	26-Jul-79	BÔ	Text
DAVE.TEXT	4	25-Feb-80	94	Text
CHECKERS. TEXT	38	24-Jan-80	98	Text
BAMBI.TEXT	40	19-Nov-79	136	Text
LCUPDATE. TEXT	4	30-Mar-80	176	Text
DUMP. TEXT	14	30-Mar-80	180	Text
PATCH. TEXT	4	6-Apr-80	194	Text
PATCHER. TEXT	6	6-Apr-80	198	Text
TERM. TEXT	10	3-Apr-80	204	Text
TERM.CODE	4	19-Nov-79	214	Code
PARSER. TEXT	6	19-Feb-80	218	Text
RUNOFF.TEXT	24	9-Apr-80	224	Text
( UNUSED )	32	<u>@</u>	24B	

#### PSCAL14:

8					
EXAMP. JE. TEXT	4	22-1	1ar-81	. 6	Text
EXAMP.3F.TEXT	4	22-1	1ar-81	10	Text
EXAMP.3H.TEXT	4	22-1	1ar-Bi	14	Tex
EXAMP.31.TEXT	4	22-1	tar-81	IB	Tex
EXAMP. 4B. TEXT	4	22-1	tar-Bi	22	Tex
EXAMP.58.TEXT	4	22-1	Mar-81	26	Tex
EXAMP. &C. TEXT	4	22-1	tar-81	30	Tex
EXAMP.601.TEXT	4	22-	Mar-81	34	Tex
EXAMP.51.TEXT	4	22-1	Mar-81	38	Tex
EXAMP.S2.TEXT	4	22-	Mar-Bl	42	Text
EXAMP. 83. TEXT	4	22-1	Mar-Bi	46	Tex
EXAMP.S4.TEXT	6	22-1	Mar-81	50	Tex
EXAMP. S5. TEXT	4	5-1	Apr-81	56	Tex
EXAMP.S&.TEXT	4	5-1	Apr-81	60	Tex
EXAMP.S7.TEXT	4	5-1	Apr-Bl	64	Tex
EXAMP.S8.TEKT	4	5-1	Apr-81	68	Tex
EXAMP.S9.TEXT	4	5-1	Apr-81	72	Tex
PASO.O.TEXT	4	20-1	Mar-81	76	Tex.
PASI.O.TEXT	4	20-1	Mar-B1	80	Tex
PAS2.0.TEXT	4	20-1	Mar-81	64	Tex
PASS.O.TEXT	4	20-1	MarBi	88	Iex:
PAS4.0.TEXT	4	20-	Mar-81	92	Tex
PASI.I.TEXT	. 4	20-	Mar-61	76	Ţēx
FAS2.1.TEXT	4	20-	Mar-01	100	Tex
PASS.1.TEXT	4	20-	Mar-81	104	Tex
PASS.O.TEXT	4	20-	Mar-81	108	Tex
PAS4.1.TEXT	4	20-	Mar-81	112	Tex
PASS.1.TEXT	33		Mar-81		Tex
ASSI.I.TEXT			Mar-81		Tex
ASS2.1.TEXT			Mar-01		Tex
ASS3.1.TEXT			Mar-81		Tex
ASS5.1.TEXT			Mar-Bi	·	Tex
ASS4.1.TEXT			Mar-81		Tex
EXAMP.E3B.TEXT			May-81	A 01451549	Tex
EXAMP.E3A.TEXT			May-81		Tex
EXAMP.EL.TEXT			May-81		Tex
EXAMP.E2.TEXT			May-Bl		Tex
EXAMP.E4.TEXT			May-81		Tex
EXAMP.E8.TEXT	8		May-81		Tex
EXAMP.ELB. TEXT	6		May-81	9	Tex
EXAMP.EGA.TEXT	6		May-81		Tex
EXAMP.ES.TEXT			May-81		Tex
EXAMP.E7.TEXT	10273	10-	May-81		Tex
( UNUSED )	90	958 <b>2</b> 1 -		190	
43/43 files, 90	unusi	ed,	90 in	large:	st

#### PSCAL15:

GETIME.TEXT	14	2-Jan-81	6	Tex
STRFORT. TEXT	6	6-Jan-81	20	Tex
CLOCKUNIT. TEXT	6	6-Jan-81	26	Tex
CLKUNT1.1.CODE	4	2-Jan-81	32	Code
CLÓCK. DOC. TEXT	6	13-Feb-81	36	Tex
STARTUP. TEXT	4	14-Feb-81	42	Tex
PLOTTER. TEXT	20	30-Sep-79	46	Tex
PLOTTER.CODE	11	30-Sep-79	66	Code
CASHREG. TEXT	10	12-Mar-B1	77	Tex
CHAREDIT.TEXT	24	12-Mar-81	87	Tex
FULLDUPLEX.TEXT	8	1-feb-81	111	Tex
SYSGEN. TEXT	6	1-Feb-81	119	Tex
STOP. TEXT	4.	1-Feb-Bi	125	Tex
NATIVECODE. TEXT	16	2-Feb-81	129	Tex
MCRMODEM.TEXT	12	3-Feb-81	145	Tex
GENEPOOL.TEXT	34	7-Feb-81	157	Tex
DOSCAT.TEXT	12	12-Mar-Bi	191	Tex
DOSCAT.CODE		12-Mar-81	203	Cod
PILOT. TEXT	12	5-Jul-80	208	Tex
PILOT. DOC. TEXT	16	5-Jul-80	220	Tex
		16-Mar-79		
README.TEXT		12-Mar-81		
( UNUSED )	6		274	
22/22 files, 6 u	nusei	d, 6 in lar	gest	
7.0		88		

#### PSCAL16:

MODEM. LIBRARY	40	B-Feb-Bl	6	Data
FILER. IMPL. CODE	0	14-Aug-80	46	Code
SYSTEM.LINKER	24	16-Sep-80	46	Code
SYSTEM.COMPILER	75	19-Sep-80	70	Code
< UNUSED >	6	3.5	145	
LIST.TEXT	4	6-Jul-B1	151	Text
( UNUSED )	4		155	
ANSWER. TEXT	24	6-Jul-81	159	Text
< UNUSED >	30		183	
ANSWER. CODE	30	6-Jul-81	213	Code
LOG. TEXT	4	6-Jul-81	243	Text
( UNUSED )	33		247	
B/B files, 73 un	used,	33 in lar	gest	

#### PSCAL17:

FIRSTPART. TEXT	12	13-Jun-81	6	Text
FIRSTPART.CODE	9	i3-Jun-Bi	18	Code
MAINCAT.CODE	19	17-Jun-81	27	Code
MAINCAT.TEXT	34	17-Jun-81	46	Text
CATALOG. CODE	20	17-Jun-81	80	Code
JOHN. DOC. TEXT	4	17-Jun-81	100	Text
CAT3. YEXT	20	4-Jun-81	104	Text
CATI.TEXT	20	4-Jun-81	124	Text
CAT2.TEXT	22	4-Jun-81	144	Text
CAT. TEXT	4	4-Jun-81	165	Text
CAT. CODE	22	4-Jun-Bi	170	Code
JIM. DOC. TEXT	6	4-Jun-81	192	Text
< UNUSED >	82		198	
12/12 files, 82	บทิบรา	ed, 82 in 1	arge	st

#### PSCAL18:

BIDSDOC.TEXT	6	28-Nov-80	Ь	Text
BIOSDEMO. TEXT	8	27-Nov-80	12	Text
BIOSSTUFF. TEXT	16	1-Feb-81	20	Text
BIDSUNIT. TEXT	4	16-Mar-81	36	Text
TUNASM. CODE	12	31-Jan-81	<b>4</b> (i	Cade
UNASM. INFO. TEXT	6	1-Feb-81	52	Text
X. TRACE. TEXT	12	1-Feb-81	58	Text
X.SPY.TEXT	Ь	1-Feb-Bi	70	Test
SETUPNXBO. TEXT	10	18-Mar-81	76	Text
BURTS-DUMP. TEXT	20	29-Dec-B0	66	Text
EIGHTO.TEXT	10	16-Feb-81	106	Text
DATE. TEXT	4	16-Feb-81	116	Text
MASTERCA. TEXT	18	6-Jan-81	120	Text
TIGER.UNIT.CODE	3	14-Aug-80	138	Code
TIGER. TEXT	4	23-Jan-81	141	Text
SCRNBYT. TEXT	10	23-Jan-81	145	Text
PRINTSET. TEXT	6	15-Sep-B0	- 155	Text
MASTERNI.TEXT	18	15-Sep-80	161	Yext
PILOT. TEXT	12	27-Aug-80	179	Text
TWOD. TEXT	10	4-Oct-80	191	Text
PRETTYPAS. TEXT	20	7-Nov-80	201	Text
BL12ZARD.CODE	9	26-Jul-79	221	Code
GROCERY. TEXT	26	15-Dec-79	230	Text
MASTER. TEXT	8	2-Dec-79	256	Text
PIG3.TEXT	14	17-Mar-81	264	Text
( UNUSED )	. 2		278	
25/25 files, 2 un	nusei	i, 2 in lar	gest	,538
7	33			

#### PSCAL19:

SAGUINET TOUT		17 N 02		Tout
PSON.UNIT.TEXT	6	13-Mar-82		Text
PSON.UNIT.CODE	3	13-Mar-82	1000	Cade
MARTERM. TEXT	4	13-Mar-82	15	Text
MARTERM.CODE	3	13-Mar-82	19	Code
HAREOIT.TEXT	20	16-Mar-82	22	Text
HAREDIT.CODE	7	16-Mar-82	42	Code
KAFEDIT.TEXT	38	16-Mar-82	49	Text
RAFEDIT.CODE	12	16-Mar-82	87	Code
HOWFOTO. TEXT	6	16-Mar-82	99	Text
HOWFOTO.CODE	2	16-Mar-82	105	Code
ONCORD. TEXT	8	13-Mar-82	107	Text
ONCORD, CODE	3	13-Mar-82	115	Code
ISKOUMP.TEXT	12	14-Mar-82	118	Text
ISKDUMP.CODE	4	14-Mar-82	130	Code
TARTUP.TEXT	10	14-Mar-82	134	Text
TARTUP.CODE	4	14-Mar-82	144	Code
NOWFLAKE. TEXT	В	16-Mar-82	148	Text
HOWFLAKE.CODE	3	16-Mar-82	156	Code
URTLE.TEXT	10	16-Mar-82	159	Text
URTLE.CODE	4	16-Mar-82	169	Code
EAD.ME.TEXT	6	16-Mar-82	173	Text
UNUSED >	101		179	
1/21 files, 101	unus	ed, 101 in	lar	jest

#### PSCAL20:

PROSE, DOC1. TEXT	36	29-Mar-80	6	Text
PROSE. DOC2. TEXT	36	25-Mar-B0	42	Text
PROSE.CODE	34	11-Jun-80	78	Code
UNIVERSAL.TEXT	12	1-Apr-80	112	Text
POLICY.DOC.TEXT	19	30-Mar-80	124	Text
CATALOG. 3. TEXT	θ	31-Mar-80	142	Text
CHASE.TEXT	22	25-Jun-80	150	Text
OTHELLO.TEXT	12	7-0ct-79	172	Text
OTHELL1.TEXT	16	7-0ct-79	184	Text
OTHELL2. TEXT	16	7-0ct-79	200	Text
OTHELLINIT. TEXT	16	8-0ct-79	216	Text
BLACKJACK. TEXT	20	25-Jun-80	232	Text
DEBTS. TEXT	26	25-Jun-80	252	Text
STORE.DATA	1	25-Jun-80	278	Data
( UNUSED )	1		279	
14/14 files, 1 un	uset	d, l in lar	gest	

#### PSCAL21:

A THE TOP STATE ON					
LINEDEMO.TEXT	4	21-Nov-80	Ь	Text	
LINEDEMO.CODE	2	21-Nov-80	10	Code	
ROMANUMS. TEXT	6	21-Nov-80	12	Text	
ROMANUMS.CODE	2	21-Nav-80	18	Code	
TABDEMO, TEXT	4	12-Jun-80	20	Text	
TABDEMO.CODE	2	12-Jun-80	24	Code	
NOWDATE.CODE	2	31-Dec-80	26	Code	
NONDATE.TEXT	8	31-9ec-80	28	Text	
POWER. TEXT	4	31-Dec-80	36	Text	
POWER.CODE	2	31-Dec-80	40	Code	
OECIMALROM.TEXT	6	31-Dec-80	42	Text	
DECIMALROM.CODE	3	31-Dec-80	48	Code	
AODFRACTNS.TEXT	6	31-Dec-80	51	Text	
ADDFRACTNS.CODE	3	31-Dec-80	57	Code	
DISC. TEXT	12	31-Dec-B0	60	Text	
DISC.CODE	6	31-Dec-80	72	Code	
8 8		10 Mg		243	

#### 6 31-Dec-80 78 Text SLONESSAGE. TEXT 2 1-Jan-81 84 Code 23: SLOMESSAGE. CODE 12 10-Sep-80 6 Text 6 21-Sep-80 B6 Text CRAWLERI.TEXT & 19-Aug-80 18 Text 2 21-Sep-80 92 Code CRAWLER1.CODE 4 23-Aug-BO 24 Text 6 1-Jan-B1 94 Text WINDCHILL. TEXT 4 24-Aug-80 28 Text 4 24-Aug-80 32 Text 3 1-Jan-8! 100 Code WINDCHILL.CODE 4 24-Aug-80 36 Text 6 1-Jan-81 103 Text DEMOFUNCTS. TEXT 4 24-Aug-BO 40 Text DEMOFUNCTI.CODE 3 1-Jan-81 109 Code 4 24-Aug-80 44 Text 6 1-Jan-81 112 Text ERASERS, TEXT 4 24-Aug-80 48 Text 3 1-Jan-81 118 Code ERASERS, CODE 4 24-Aug-80 52 Text 6 1-Jan-81 121 Text PENTSOLVER. TEXT 6 15-Aug-80 56 Text 1-Jan-81 127 Code PONTSOLVER. CODE 6 15-Aug-80 62 Text 6 1-Jan-81 131 Text PR737.TEXT 8 22-Aug-80 68 Text 6 1-Jan-81 137 Text 8 23-Aug-80 76 Text FRINTSET.TEXT 4 25-Aug-80 84 Text 6 10-Oct-80 143 Text LOCASE. ART. TEXT 6 26-Aug-80 88 Text 8 1-Jan-81 149 Text FILEPATCH. TEXT g 16-Jun-80 94 Text 2 1-Jan-81 157 Code ROMTEST.CODE 6 25-Jul-80 102 Text B 1-Jan-81 159 Text ROMTEST. TEXT 6 4-Aug-60 108 Text 16 1-Jan-81 167 Text MASTCAT. TEXT 8 22-Jun-80 114 Text 5 1-Jan-81 183 Code MASTCAT. CODE 8 29-Aug-60 122 Text 4 1-Jan-81 188 Text CAT. INTRO. TEXT 10 5-Sep-B0 130 Text 4 1-Jan-81 192 Code CRYPTOGRAM. CODE 6 20-May-BO 140 Text B 1-Jan-81 196 Text 6 20-May-80 146 Text CRYPTOGRAM. TEXT 4 10-Jan-81 204 Text 8 16-Jun-80 152 Text SPLTSCREEN. TEXT 6 22-May-80 160 Text 2 10-Jan-81 208 Code SPLTSCREEN.CODE 6 22-May-Bû 166 Text 4 10-Jan-81 210 Text RANDALPHAX. TEXT 6 23-May-80 172 Text 2 10-Jan-81 214 Code RANDALPHAX.CODE 6 23-May-60 178 Text 6 10-Jan-81 216 Text RANDALPHAI.TEXT 6 23-May-80 184 Text 2 10-Jan-Bi 222 Code RANDALPHAL.CODE B 13-Jun-80 190 Text 6 10-Jan-81 224 Text RANDALPHA2.TEXT 10 10-Sep-80 198 Text 2 10-Jan-81 230 Code 🌡 RANDALPHA2.CODE 6 27-Sep-20 208 Text 10 26-Jul-79 232 Text 6 27-Sep-80 214 Text DIR. TEXT 2 26-Jul-79 242 Code 6 5-Sep-80 220 Code DIR.CODE 244 4 10-Sep-80 226 Code ( UNUSED ) 49/49 files, 36 unused, 36 in largest unused, 50 in largest

24:

#### PSCAL22:

PSCALZ	4:				
					12 30-Jul-81 6 Text
INDEXTODOM. TEXT	8	2-Apr-81	6	Text	14 8-Mar-Bl 1B Code
PROVERBS4. TEXT	8	20-Mar-81	14	Text	36 B-Mar-81 32 Text
AXIONS. TEXT	4	20-Mar-B1	22	Text	8 5-Jul-81 68 Text
ARAYSEARCH. TEXT	8	2-Apr-81	26	Text	4 5-Jul-Bi 76 Code 13 9-Jun-81 Bu Code
STANDEVIAT. TEXT		26-Jan-81		Text	13 9-Jun-81 Bu Code 28 20-Jun-81 93 Text
NEWCARBUY. TEXT	***	21-Feb-81	42	Text	
FILEDEMO7. TEXT	10,770	17-Mar-81		Text	
DRAFTSMAN, TEXT		27-Feb-B1		Text	10 15-Apr-81 133 Text
CROSSWORD. TEXT		6-Mar-81		Text	2 19-HDC-61 143 Code
DOCUMENT. TEXT		12-Jan-81		Text	8 7-Jul-81 149 Text
FORMAT. TEXT	11757	10-Jan-81		Text	a /-041-81 156 Text
MONEY. TEXT		12-Jan-81		Text	1 1 1 19% (6%f
UNSTRING. TEXT		12-Jan-81		Text	a v Ant of 1/4 Code
FILEBURP. TEXT		20-Dec-80		Text	107 16Xf
DOSPASCAL. TEXT		20-Jan-81		Text	TOU COUR
		26-Jan-81		Text	Secretary Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of
FORMATURIT. TEXT	9627			Text	
CLEAN, TEXT	100	15-Feb-81	100000	Text	14 30-Jul-Rt 214 T
CLEAN2. TEXT		16-Feb-81		Text	# 30-Jul-81 220 Tev+
FILEMAKER. TEXT		16-Feb-B1	174	Tave	
HONTO. TEXT		2-Apr-91	1/8	TANE	unused, 44 in largest
NATIVECODE. TEXT	16		101		
MICRO. TEXT		4-Feb-81	720702	Text	
SYSGEN. TEXT		4-Feb-Bi		Text	
STARTGEN. TEXT	4			Text	
FULL. TEXT	8	•		Text	ARE OU SUFTWARE
NATIVECODE.CODE	729	5 <del>-</del> Feb-81		Code	ARE ON PAGE 128.
MICRO.CODE		5-Feb-81		Code	
MICRO.LINK	5	5 <del>-</del> Feb-81		Data	
FULLDUPLEX.CODE	4			Code	
SYSGEN.CODE	3	5-Feb-81			
STARTUP, CODE	2	5-Feb-81	251	Code	
( UNUSED )	27	. 20 FG	253		
31/31 files, 27	นกนร	ed, 27 in 1	arge	st 💮	
		85			

#### CRYPTOGR SPLITSCA SUMOFNUM HINIMAX. CONTRIBUT

ROOTNUMBER. TEXT	b	16-Dec-80	3B	Ţ
LOGANDBASE.TEXT	6	22-Dec-60	44	T
PERMICONBI.TEXT	3	1-Jan-81	50	Ţ
BIGCOMBINI.TEXT	В	22-Dec-60	58	Ť
RANDALPHAX.TEXT	6	4-Jan-81	66	Ţ
RANDALPHA1.TEXT	6	27-Dec-B0	72	Ţ
RANDALPHAZ, TEXT	4	23-Dec-80	78	Ţ
RANDALPHAS. TEXT	6	27-Dec-BO	84	Ţ
RANDALPHA4.TEXT	6	27-Dec-80	90	Ţ
MASTERCAL TEXT	18	6-Jan-61	96	Ţ
NENDIR. TEXT	10	7-Jan-81	114	Ţ
TIGER, UNIT, CODE	. 3	14-Aug-80	124	C
TIGER, TEXT	4	23-Jan-81	127	1
SCRNBYT. TEXT	10	23-Jan-81	131	1
SKETCH2. TEXT	6	26-Feb-80	141	Ţ
EOP. TEXT	8	27-Mar-80	147	Ī
DISKDATE.TEXT	b	16-Feb-80	155	T

25/25 files, 61 unused, 61 in largest

8 16-Apr-80 173 Text

38 17-Apr-80 18! Text

#### PSCAL26:

FILEPATCH. TEXT

CHECKBOOK. TEXT

< UNUSED >

MAKEMENU.TEXT	В	22-Oct-81	6	T
CENTERDEMO.TEXT	6	2-Nov-81	14	Te
ARRONSMITH, TEXT	16	27-Oct-81	20	TE
FORMATTER2.TEXT	6	13-Sep-81	36	Ţ
STEPLOOFS2.TEXT	6	4-Aug-B1	42	Ţę
CHARCOUNT. TEXT		20-Dct-8!		Ŧi
FLASHCARDS.TEXT	12	13-0ct-81	54	Ţŧ
AREFI.TEXT	22	20-Jun-81	δó	Té
CAT. TEXT	34	5-Nov-81	88	Te
CAT. CODE	18	5-Nov-81	122	Co
MAKELESSON. TEXT	8	12-0ct-81	140	TE
MAKELESSON.CODE	4	12-Oct-81	148	Co
HOWTOUSELT. TEXT	4	12-Oct-51	152	Te
FRENCH20.TEXT	4	10-Oct-81	15è	Te
MORSE.CODE	6	1-Dec-80	160	Εe
MORSE. TEXT	14	25-Apr-60	166	Te
DOM-NOTES. TEXT		5-Nov-8!		
( UNUSED )	94		186	
17/17 files, 94	unuse	ed, 94 in 1	arges	ŧ

#### PSCAL27:

SYSTEM. PASCAL	36	4-May-79	6	Data
SYSTEM. MISCINFO	1	4-May-79	42	Data
SYSTEM. CHARGET	2	14-Jun-79	43	Data
PRIMAKER.TEXT	6	9-Sep-80	45	Text
PRIMAKER.CODE	3	9-Sep-80	51	Code
PRIREAD. TEXT	4	24-Jul-89	54	Text
PRIREAD.CODE	3	24-Je1-80	58	Гоое
PRINTSET. TEXT	4	15-Sep-50	61	Text
SETINT. TEXT	6	15-Sep-80	67	Text
MASTER. TEXT	18	15-Sep-80	73	Text
HASTER, CODE	8	15-Sep-B0	91	Code
TWOD. TEXT	10	4-0ct-80	99	Text
TWOD.CODE	4	4-0ct-80	901	Code
TWOD1, TEXT	10	13-0ct-00	113	Text
PRETTYPAS. TEXT	20	7-Nov-80	123	Text

#### PSCAL25:

INDEX. TO. VOLUME	6 23-Jan-81 6 Tex	xt BE177ARD.CODE 9 26-Jul-79 143
CRYPTOGRAM. TEXT	8 18-Nov-80 12 Tes	xt SCINOTATN. TEXT 14 1-Nov-80 152
SPLITSCRN. TEXT	6 23-Nov-80 20 Tex	xt 50!NOTATN.CODE 7 1-Nov-80 166 (
SUMOFNUMS. TEXT	6 26-Nov-80 26 Te:	xt WP.TEXT 22 17-Jun-B0 173 1
HINIMAX. TEXT	6 30-Nov-80 32 Tes	xt WF, CDDE 9 29-Aug-80 195
ROOTNUMBER.TEXT	6 16-Dec-80 38 Te	xt DOC.TEXT 14 4-Feb-80 204
LOGANDBASE.TEXT	6 22-Dec-60 44 Tex	xt PILOT.TEXT 12 27-Aug-80 218
PERMNCOMBI.TEXT	8 1-Jan-81 50 Te:	xt MEMDISP. TEXT 10 11-Nov-80 230
BIGCOMBINI.TEXT	8 22-Dec-60 58 Te:	xt INDEX.TO.DECDOM 6 16-Nov-80 240
RANDALPHAX.TEXT	6 4-Jan-81 66 Te.	xt 5Y5TEH.LIBRARY 30 11-Nov-80 246
RANDALPHA1.TEXT	6 27-Dec-80 72 Tex	xt ( UNUSED ) 4 276
RANDALPHAZ, TEXT	6 23-Dec-80 78 Te	xt 25/25 files, 4 unused, 4 in largest
RAMDALPHAS. TEXT	6 27-Dec-BO 84 Tex	xt
RANDALPHA4.TEXT	6 27-Dec-80 90 Te	× t
MASTERCAL TEXT	18 6-Jan-61 96 Te.	*t
NEHDIR. TEXT	10 7-Jan-B1 114 Te	pscal28:
TIGER, UNIT, CODE	3 14-Aug-80 124 Co	de .
TIGER, TEXT	4 23-Jan-B1 127 Te	xt DSFCHRSET.TEXT & 2-Jan-80 6
SCRNBYT. TEXT	10 23-Jan-81 131 Te.	xt DEFCHARS.TEXT 8 28-Sep-80 12
SKETCH2. TEXT	6 26-Feb-80 141 Te.	at CHECKBOOK.TEXT 36 17-Apr-80 20
EOP. TEXT	8 27-Mar-80 147 Te	# MINIFILER. TEXT 12 10-Sep-80 56
DISKDATE. TEXT	8 16-Feb-80 155 Te	xt FEEKPOKE.TEXT 4 12-Nov-B0 68
MODENTEST. TEXT	12 17-Apr-80 161 Te.	xt TIMERSTUFF.TEXT 6 3-Aug-80 72

MAKEMENU.TEXT	В	22-Oct-81	6	Tex
CENTERDEMO. TEXT	6	2-Nov-81	14	Tes
ARROHSMITH, TEXT	16	27-0ct-81	20	Tex
FORMATTER2.TEXT	6	13-Sep-81	36	Jes
STEPLOOFS2.TEXT	6	4-Aug-61	42	Tex
CHARCOUNT. TEXT	6	20-Dct-8!	48	Tex
FLASHCARDS.TEXT	12	13-9ct-81	54	Tex
IREFI.TEXT	22	20-Jun-81	δó	Tex
CAT. TEXT	34	5-Nov-81	68	Tex
CAT, CODE	18	5-Nov-81	122	Cod
MAKELESSON. TEXT	8	12-0ct-81	140	Tex
MAKELESSON.CODE	4	12-0ct-81	148	Cod
HOWTOUSELT. TEXT	4	12-0ct-51	152	Tex
FRENCH20.TEXT	4	10-Oct-81	15è	Tex
MDRSE.CODE	6	1-Dec-80	160	Cod
MORSE.TEXT	14	25-Apr-80	166	Tex
DOM-HOTES. TEXT	6	5-Nov-8!	180	Tex
( UNUSED )	94		186	
17/17 files, 94	unuse	d, 94 in	larges	it

#### PSCAL29:

PRINT. TEXT

FILEDUMP. TEXT

BIOSUNIT. TEXT

BIOSDEMO. TEXT

MEHUDOC. TEXT

DIRDOC. TEXT

BIOSDOC, TEXT

BIOSSTUFF. TEXT

CRECHARDOC. TEXT

SERENDIP. TEXT

DOODLER. TEXT

INTDAT. TEXT

HICROMODEH. TEXT

PIGI. TEXT

( UNUSED >

CURE. TEXT

MENU, TEXT

DIR. TEXT

CRYPTODOC. TEXT	8	14-Jan-81	6	Text
CRYPTO.TEXT	10	15-Jan-81	14	Text
FILER.LIB	16	6-Jan-81	24	Data
MINIFILER, TEXT	40	12-Jan-81	40	Text
PAGEDUMPER.CODE	4	25-Nov-80	Bû	Code
IOUNITA. TEXT	8	13-Sep-80	84	Test
ICUNITB. TEXT	6	14-Sep-80	92	Text
LIFE.TURTL.TEXT	24	30-Dec-80	98	Text
LORES. USER. TEXT	22	8-Jan-81	122	Text
LORES.UNIT.TEXT	6	8-Jan-81	144	Text
LIFE.LORES.TEXT	24	9-Jan-Bi	150	Text
LIFE. INFO. TEXT	ò	10-Jan-81	174	Text
LORES. INFO, TEXT	8	10-Jan-Bi	180	Text
DISI.TEXT	28	31-Jan-81	188	Text
PLOTPOURRI.TEXT	18	16-Jul-80	216	Text
ANDSPIRG. TEXT	10	18-Feb-80	234	
LORES. TEXT	4	16-Apr-80	244	
PLOT. TEXT		15-Apr-80	248	Text
ANDROMEDA. TEXT	6	19-Apr-80		Text
DANMAC. TEXT	4	10-Jun-80		
PIGZ.TEXT		18-Feb-81		
( UNUSED )	6	2000 (VE)555 1575	274	
21/21 files, 6 u	nused	, 6 in lar		

9 26-Jul-79 143 Code

14 1-Nov-80 152 Text

7 1-Nov-80 166 Code

22 17-Jun-B0 173 Text

9 29-Aug-80 195 Code

14 4-Feb-80 204 Text

12 27-Aug-80 218 Text

10 11-Nov-80 230 Text

6 16-Nov-80 240 Data

30 11-Nov-BO 246 Data

6 2-Jan-80 6 Text

8 28-Sep-80 12 Text

36 17-Apr-80 20 Text

12 10-Sep-80 56 Text

4 12-Nov-B0 68 Text

6 3-Aug-80 72 Text

6 22-Oct-80 78 Text

8 10-Dec-B0 84 Text

4 25-Nov-80 92 Text

8 27-Nov-80 96 Text

18 13-Nov-80 104 Text

16 27-Nov-80 122 Text

10 28-Nov-80 138 Text

8 28-Nov-80 148 Text

6 28-Nov-80 156 Text

16 28-Nov-80 162 Text

8 24-Sep-80 200 Text

6 7-Jun-80 208 Text

10 20-Kay-BO 214 Text

8 27-Mar-81 224 Text

10 27-Mar-81 232 Text

20 21-Apr-Bl 242 Text

8 15-Nov-81 262 Text

270

CRECHARSET.TEXT 22 24-Sep-80 178 Text

24/24 files, 10 unused, 10 in largest

147

#### CP/M 01

B: MODEM COM: MODEM ASM: MODEM DOC: DU-V75 COM
B: RESOURCE DOC: DU-V75 DOC: RESOURCE COM: DU/MAP2 DOC
B: -IACDISK 001: IACDISK DOC

#### CP/M 02

A: SALVO BAS : DRBIT BAS : MUGNUMP BAS : LIFEZ BAS A: TOWERS BAS : TARGET BAS : STARTREK BAS : TREKINST BAS A: RUSROU BAS : MASTRMND BAS

#### CP/M 03

A: -CPM/DOM 004: / DOC: / COM: RCPM-26 LQT
A: UNERA COM: APMOVE ASM: APMOVE COM: STATUS COM
A: CAL-13 COM: CAL-13 DOC: MXBOPLOT BAS: RESOURCE COM
A: TPA COM: XDIR COM: RESOURCE DOC: ERASE COM
A: RENAME COM

#### CP/M 04

A: SD-43 COM : XMODEM COM : MISAMENU MON : CPM-NET MON A: ALLENTWN MON : HYDEPARK MON : COMPUSER MON : PALATINE MON A: MODEM COM : READ 1ST : MODEM72 COM

#### CP/M 05

A: APRIL PON: AFXMODEM COM: SD COM: -CPM/DOM 002
A: MODEM72 AOM: MODEM7 LOB: DIR3 COM: FILES COM
A: CRCK COM: CRC-ART DOC: APMODEM7 DOC: APXMDM AOM
A: READIST : PIPV TXT

#### CP/M 06

#### CP/M 07

PAT : 40 DUT PAT : APPLHALT ASM : CATALOG DOC A: 405 IN DOC : APHAYES ASM COM : -CPM/DOM 000 : CLEAN A: CLEAN BAK : APBOOT2 ASM : APMODEM COM : APXMODEM COM A: MAST PAT : STOKEYBO PAT : APMODEM DOC : THOUGHT A: NOLF COM : FNAF COM CAT : CAT A: MLISTSO COM : MAST DOC : AFXMODEM DOC COM: INDEX ASM : UCAT A: INDEX A: INDEX COM

#### CP/M 08

A: PIPPATCH ADM: RCPMDISK DOC: PROTECT ADM: RENAME ADM A: DUU ADM: DUU DOC: REZILOG NOC: REZILOG COM A: UNERA ADM: APSTRTUP ADM: CACHE DOC: -CPM/DOM 005

#### Eamon Utility 1

T 007 APPEND SAVE BASE T 007 APPEND SAVE ORG T 006 APPEND SAVE RTN A 009 ARTIFACT MAINTENANCE A 021 BASEFIX A 004 CHANGE EAMON NAME A 036 CHARACTER BUILDER 1 A 069 CHARACTER BUILDER 2 A 037 CHARACTER CHANGE/DISPLAY A 006 CHARACTER CLONE A 007 CHARACTER CREATOR A 009 CHARACTER DISPLAY A 003 CHARACTER EDIT A 003 CHARACTER ERASE A 007 CHARACTER FILE CONDENSE A 079 CHARACTER MAINT A 007 CHARACTER MOVER A 003 CHARACTER REBIRTH A 003 CHARACTER RESSURECT T 002 CHARACTERS A 002 CREATE TEXT FIX BOOT A 005 CREATE TEXT SAVE BASE A 005 CREATE TEXT SAVE GAME A 005 CREATE TEXT SAVE DRIG A 011 DUNGEON AID T 001 EAMON.DESC

#### Eamon Utility 2

T 002 FIX BOOT PGM

A 016 EAMON ADVENTURE LOGS A 003 EAMON CHECK T 009 EAMON. ADVLOG T oot EAMON, DESC T 001 EAMON. ROOM NAMES T 001 EAMON. ROOMS T 005 EAMON. SPECLOG A 009 EDIT/CREATE DESCRIPTIONS A 005 ERASE ART EFF MBN T 002 FIX BOOT PGM A 002 FIX TENDIR NAME A OIB FLEX DUNGEON LIST A 007 LABEL MAKER A 015 LIST CAVE OF MIND A 015 LIST MINOTAURS LAIR A 015 LIST TREASURE ISLAND A 003 QUICKY ROOM PRINT A 006 REMOVE DUMMY ARTIFACTS A 005 ROOM ANALYSIS A 010 SETUP MONSTER/ARTIFACT A 005 SETUP ROOM NAMES A 005 SETUP ROOMS A 003 SNAPPY LOAD A 008 SNAPPY MAINT 1 A QQ4 SNAPPY MAINT 2 A 015 SPEC DUNGEON LIST A 015 SPEC DUNBEON LIST 2 A 004 TEST BENCH A 004 VIEW ROOMS1 A QOA VIEW ROOMS2

#### Eamon Utility 3

A 004 LIST MONSTER.MASTER
A 017 MONSTER BATTLE
A 009 MONSTER INVENTORY
A 010 MONSTER INVENTORY VER.O
T 190 MONSTER.MASTER

# A WORLD FAR, FAR AWAY.

# EAMON

### by DONALD BROWN

You are a citizen of this weird world. You are a free person out to seek your fortune in this world of shifting laws and time. You will usually find yourself fighting terrible monsters such as orcs, trolls and dragons to get their treasures. However, at times you may find yourself fighting such varied opponents as Billy the Kid or Darth Vader! Anything can happen, anything at all.

Eamon is a fantasy role playing adventure. The computer with your help will generate your character for you and you will pretend to be that character. You will command your character into fierce battle, where hopefully you will emerge victorious and wealthy. If you survive.

#### Eamon Master 01

A 015 THE WONDERFUL WORLD OF EAMON
B 034 EAMON.PIC
A 022 NEW CHARACTERS
T 004 CHARACTERS
T 007 SNAPPY
T 002 THE ADVENTURER
T 002 FRESH MEAT
A 046 MAIN HALL
A 061 THE BEGINNERS CAVE
T 003 EAMON.ARTIFACTS
T 077 EAMON.DESC
T 003 EAMON.MONSTERS
T 002 EAMON.NAME
T 005 EAMON.ROOMS
T 008 EAMON.ROOMS

#### Eamon Designer ED5

**T 001 VERSION 5.0

*A 008 DUNGEON INIT

*A 066 DUNGEON EDIT

*A 015 DUNGEON LIST

*A 006 PRINT MANUALS

*A 003 LEADIN PROGRAM

T 127 PLAYERS MANUAL.TEXT

*T 087 DDD MANUAL.TEXT

*A 019 FLEX DUNGEON LIST

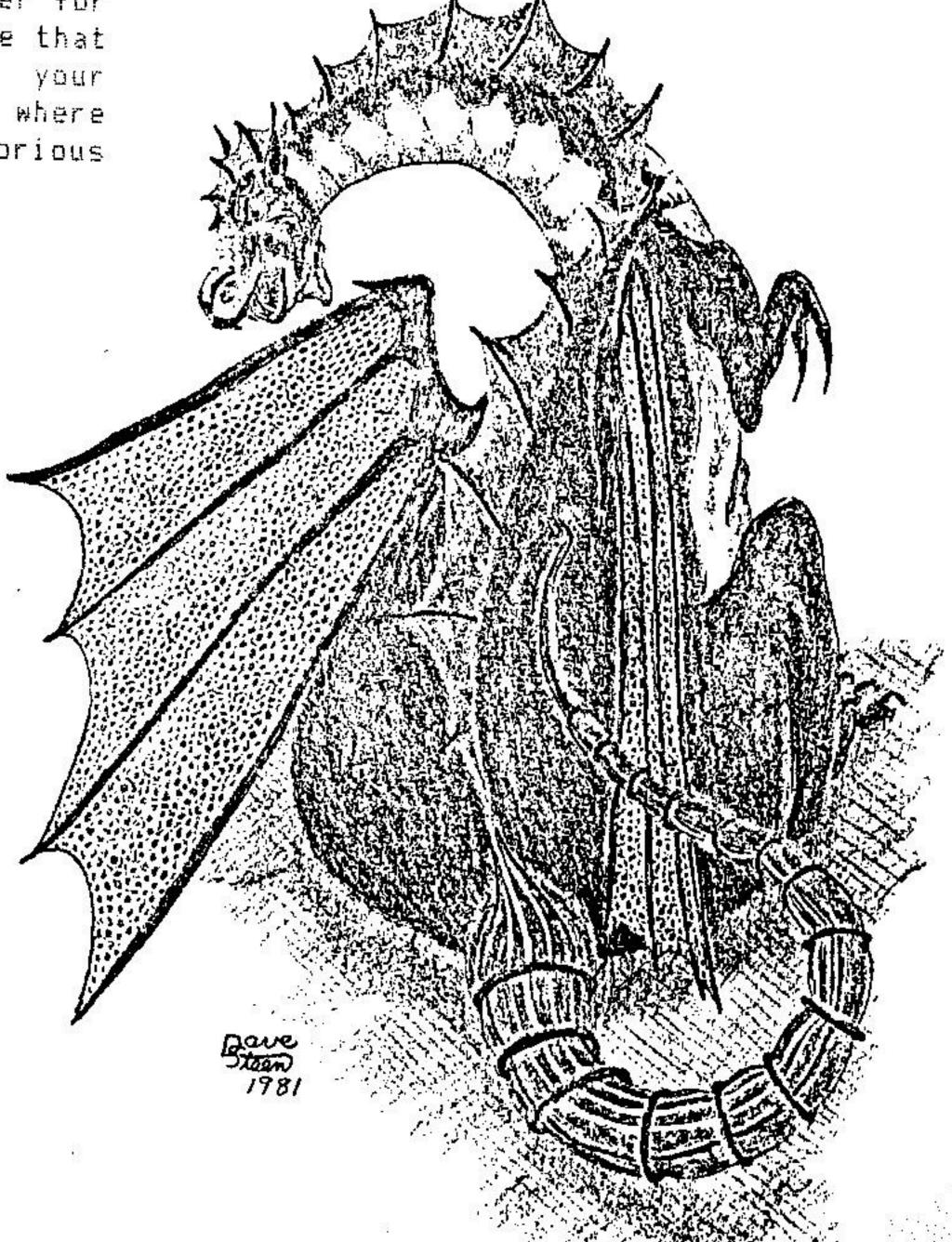
*A 057 BASE PROGRAM 2.0

*A 056 BASE PROGRAM TEN

### WELCOME TO THE.

#### WONDERFUL WORLD OF EAMON

Far away, at the very center of the Milky Way, is the planet of Eamon. It doesn't orbit any sun--all the stars orbit Eamon, all four billion of them. The shifting pulls of these great bodies bring strange forces to bear this planet; twisting light, upon tides, even the laws of science Strange things happen there, itself! and the citizens of Eamon must always be adaptable, for things are rarely what they seem, and even more rarely what they were yesterday!



# EAMON ADVENTURE LIST * With SAVE Feature Aug 1983

EO1 Eamon Master (Version 4)	Donald Brown
E01 Eamon Masce, and Beginner's Cave *	nonald Brown
FO2 Lair of the Minotaur *	R Varnum & J Jacobson
, LL- MIDO X	Jim Jacobson
E03 Cave of the Hills E04 Zyphur River Venture *	Donald Brown
E04 Zyphur Kiver ven	Donald Brown
E05 Castle of Doom	ponatu brown
rok Death Star 7	Donald Brown
E07 Devil's Tomb *	Jim Jacobson
EOB Abductor's Quarters *	Donald Brown
cop Assault on the Clone	David Cook
- A Magic Kingoom	Donald Brown
Took of Molinar "	Jim Jacobson
- I for Irezure "	P Braun & G Genz
E12 Quest for Treasure Island E13 Caves of Treasure Island	William Davis
	John Welson
~ Cactle *	John Nelson .
Mondamen	Randall Herson
	Ken Nelson
Cactle	John Nelson
E18 Hogarth Castra	John Melson
E19 Death Trap *	John Nelson
E20 Black Death	James Flamondon
E21 Quest for Marron	. James Liamondon
E21 Senator's Chambers	James Plamondon
E23 Temple of Ngurct	John Nelson
ega plack Mountain a	John Nelson
- Nightmare	John Nelson :
t on the noie ver	John Nelson
FOT Revenue of the More nan	Fred & Sandy Smith
Tower of London	Donald Brown
FOO LOST ISLAND OF APPIE	Steve Adelson
T I CUDD LIEV	John Nelson
E30 Underground/ E31 Gauntlet	
- TIL REDULE "	John Nelson
- 1 - 1 DOI 31 15	John Nelson
- LICE GSTEWAY	Evan Hodson
r Mutants	Evan Hodson
E35 Lair of Hdcan- E36 Citadel of Blood	Evan Hodson
- The Holy Dist	Evan Hodson
E37 Quest for the Clouds	Rick Volberding
E37 Guest in the Clouds E38 City in the Clouds E39 Museum of Unnatural History	Rick voice, dang
E39 Museum of Ulliataras	Rick Volberding
E39 Museum - Playground	Rick Volberding
E40 Daemon of Lanst E41 Caverns of Lanst	Rick Volberding
E41 Caverns of Editioner's Cave E42 Alternate Beginner's Cave	
TOURHAMENT ADVENTURES	Donald Brown
C Count FUEY	Donald Brown
the Ney 'or '	Donald Brown
E61 Search Tollow E61 Rescue Mission-Part II	
EAMON UTILITIES	Donald Brown
ene Famon Designer (Version o/	Many
	Many
U+i!1*V &	John Nelson
EN2 Eswon office	and the second of
Note: Only the title of each Eamon Adventure i	s snown.
Note: Only the title of each Eamon Adventure in the title constitutes a group of progra	ms that ore on one or
150 Each Citie Constitution	13

### EAMON ADVENTURES

There are now 45 adventures! Each is on a separate disk volume. The EAMON (Version 4) and the first adventure, BEGINNERS CAVE are on the same disk--E01. To run any of the adventures you must run the EAMON MASTER first!

There is also an EAMON DESIGNER volume (Version 5) -- ED5, that will permit you to create your own adventure. Also on the Designer disk are 2 "manuals" that explain all the secrets of Eamon and how to design your own adventure which you may read on your monitor or print hard copy on your printer. Highly recommended for Eamon adventurers and we ters are three EAMON UTILITY p:sks--EU1, 2 and 3.

#### NEW EAMON NUMBERING

growing library of Eamon Adventures required changing a few numbers (which is easily adventure When you complete a NEW done). ADVENTURE and are satisfied it is then perfect send it to 3A for we will assign the next exchange. available number. Meanwhile use any two digit number.

#### EAMON NEWSLETTER

Send for your free introductory issue of the Eamon Newsletter! Now you have a way to become informed about new developments happening Wonderful World of Eamon. Read articles on your favorite Adventures, previews of adventures in-the-works, and more. Stay informed about new developments in the Eamon Master program and in the Utilities. Send your request for a free sample issue to KEN SHERWOOD, 117A N 25th Street, Reading * PA * USA * 19606. By the way, if you are an experienced Eamon Adventurer, John and Ken invite you to write about Eamon for the newsletter.

Typed by Epson RX80/PKASO EP12/Applewriter I/Apple 11+.



### NATIONAL EAMON USERS CLUB

The official National Eamon Users Club is now forming to bring together all Eamon Adventurers. The purpose is to knowledge, of adventures, assemble notify members of inew adventures, utilities, tournaments, program bugs, new versions, improvements, features you can add yourself, ways of saving your characters, helpful hints, designing adventure tutorials, and have a great time.

A newsletter sent out to all members, meetings scheduled for Adventurers in the same region, a possible membership list to help members find other members in their region and other fantastic things not even dreamed of yet. No dues have yet been levied and will be avoided, until printing and postage costs become too much.

Send your name, address, phone and a list of the Adventures you have to: JOHN NELSON, 1226 E University, DesMoines * IA * USA * 50316. □